MINISTRY OF IRRIGATION AND POWER

REPORT

OF

THE KRISHNA GODAVARI COMMISSION

सन्त्रमेश नयने

Annexure III

Ten-daily Discharge Data of the Krishna River System

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FOREWORD

The data presented in this Annexure are based on the daily river discharge data at 62 sites on the Krishna river system as made available to the Commission by the States of Andhra Pradesh, Maharashtra and Mysore. The mean discharge for each ten-day period, 1-10, 11-20 and 21 to the last day of a menth and the mean discharge and volume of flow for each month have been worked out by the Commission except for data relating to serial numbers 14, 20, 33, 37, 39, 42 and 46 for which the mean discharge figures were worked out and supplied by the State Government.

Where discharges for one or more days are not available, the mean has been calculated for the number of days for which data are available. For some years, for which data are available for the rainy season and are missing for the dry part of the year, or data for one or two ten-day periods during the rainy season are not available, the Commission have assumed the missing discharges on the basis of all the relevant information which is available. The figures so obtained have been shown in brackets.

The year has been taken as the water year applicable to the hydrologic conditions on the Krishna and the Godavari rivers, from 1st June of one year to 31st May of the following year.

The flow at any site as shown herein includes the withdrawals, if any, at that site and releases from upstream storage, if any. This flow excludes upstream withdrawals and extractions for storage, if any.

The Commission found a wide variation in the methods of observation or calculation of discharges adopted at various sites, from time to time. Since the reliability of river discharge data is closely related to the method of observation or estimation of river-discharges, the Commission made special efforts to ascertain these methods. The information that could be obtained in this respect has been set out in this Annexure for each site together with the assumptions, if any, made by the Commission, with regard to the data as presented for that site.

LIST OF SITES ON THE RIVER KRISHNA AND ITS TRIBUTARIES

Sites at which observations have been

Classification :-

D1 - Sites at which velocity observations

D2 - Sites at which velocity observations

S -- Sites at which velocity is estimated

C - Sites at which discharges are calcu-

A - Sites at which discharges are calcu-

T - Sites at which discharges are based

Serial	Name of site	State in which	Na	Name of			
No.	·	located	sub-tributary	tributary or			
1	2	13012	4	5			
1.	Dhom	Maharashtra		Krishna			
2.	Khodshi weir		•••	••			
3,	Karad			**			
4.	Chitapur	Mysore	•••	**			
5.	Deosugur	नकामन नवन		,,			
6.	Siddeswaram	Andhra Pradesh	•••	••			
7.	Nagarjunasagar Dam	**	•••				
8.	Vijayawada	*1		••			
9.	Jalkewadi	Maharashtra		Novn			
10.	Helwak	> 1					

FOR WHICH DISCHARGE DATA HAVE BEEN MADE AVAILABLE discontinued are shown in italics.

are made by floats
from observation of water-surface slope
lated from gauge-discharge curves

lated by weir formulae

on capacity table of the reservoir, spillway overflow and withdrawal through sluices

Classifi-	Period for which data of]	Serial		
cation	Period	Number of years for calculating average.	Remarks	No.	
6	7	8	9	10	
D2	June 1907 to Dec. 1918; Jan. 1922 to Apr. 1927	17		1	
A	Nov. 1947 to May 1961	12		2	
D2	Aug. 1950 to Mar. 1957	6		3	
s	June 1958 to May 1959			4	
8	July 1958 to May 1959	리의 기 •••		5	
8	June 1948 to July 1953	5		6	
S/D1	Aug. 1956 to May 1961	3	Irregular Observations	7	
A	June 1901 to May 1961	60	Earlier data from 1894 not included	8	
D1	1949 to 1960	12	June to Oct.	9	
D 2	1906 to 1925-26	20	Annual yield only	10	

Serial	Name of site			Name of			
No.		located	sub-tributary	tributary or main river			
1	2	3	4				
11.	Yeralwadi	Maharashtra	•••	Yerla			
12.	Ramapur	37	•	**			
13.	Radhanagri	**	Bhogawati	Panchganga			
14.	Hadalga	,,	•••	Ghataprabha			
15.	Daddi	99	•••	91			
16.	Dhupdal	Mysore	•••				
17.	<i>Chinchkandi</i>	711					
18.	Anagwadi		•				
19.	Murmuttisangam	बुद्धमेन ज्ञयन	•••	•,			
20,	Ajra	Maharashtra	Hiranyakeshi	,			
21.	Basapur	Mysore	Markandeya	, ,			
22.	Asoga	"	•••	Malaprabha			
				•			
2 3.	Kolchi	,,	•••	••			
24.	Hiresangam	**	•••	,			
25.	Chaskaman	Mah arash tra	•••	$\mathbf{B}_{\mathbf{hima}}$			
26.	Dhond	**	•••	,,			

Classifi-	Period for which data		Serial		
cation	Period	Number of years for calculating average	Remarks	No.	
6	7	8	9	10	
D2	1913 to 1916, 1919 to 1926	12		11	
D2	Aug. 1956 to May 1961	•••	Irregular observations	12	
${f T}$	Jan. 1954 to May 1961	7		13	
$\mathbf{D2}$	1906 to 1918	13	Annual yield only	14	
	June 1919 to May 1927	8			
D2	June 1949 to Oct. 1955	4	Irregular observations		
A	1906 to 1925-26 • • • •	20	Annual yield only	16	
	Jan. 1938 to May 1961	23			
D2	1953 to 1958	4	June to Nov. only, irregular observations	17	
$\mathbf{D}2$	1949 to 1957	3	-đo-	18	
D2	1949 to 1957	व समर्वे 5	-do-	19	
D2	1904 to 1926	22	June to Dec. only	20	
D2	1949 to 1954	5	June to Nov. only	21	
D2	1949 to 1960	8	June to Dec. only, irregular observa- tions	22	
A	June 1951 to May 1961	10		23	
D2	19 52 to 1956	-5	June to Nov. only	24	
$\mathbf{D2}$	1906 to 1925-26	20	Annual yield only	25	
$\mathbf{D}2$	1955-56, 1958-59 1959-60 & 1960-61	4	Dec. to May only	26	

Serial	Name of site	State in which	Name	of	
Vo.		located	sub-tributary	tributary or main river	
1	2	3	4	5	
27.	Yadgir	Mysore		Bhima	
28.	Waki	Maharashtra	Bhama	,,	
29.	${\it Wadivale}$,,	Kudil Nalla	• ,	
30 .	Shikrapur	,,	Vel	"	
31.	Pimpalgaon Rahu	,,	Mula-Mutha	**	
32.	Mulshi Dam	7. S.	Mula	**	
33.	Khadakwasla		Mutha	,,	
34.	Nirgudsar	. (Ghod	,,	
35.	Wadgaon	" = 50 H 55	Mina (Ghod)	**	
36.	Edga on		Kukdi (Ghod)	**	
37.	Visapur	,, नियमित्र स्थान	Hanga (Ghod)	,,	
38.	Natambi	,,	Nira	,,	
39.	Vir	,,	,,	,,	
40.	Sarati	,,	25	**	
41.	Narasingpur	2)	,,	**	
42.	Bhatghar	,,	Yelwandi (Nira)	,,	
43.	Mohri	27	Gunjawani (Nira)	,,	
44.	Hatwalan	,,	Sin_a	,,	

Classifi-	Period for which data		Serial		
cation	Period	Number of years for calculating average	Remarks	No	
6	7	8	9	10	
s	July 1957 to Mar. 1959	~		27	
$\mathbf{D2}$	June 1949 to July 1959	9		28	
D2	June 1949 to Oct. 1959	9		29	
$\mathbf{D2}$	June 1949 to May 1961	11		30	
D2	1950 to 1959	January to May only, irregular observations	31		
T	June 1930 to May 1961	31	Monthly figures only	32	
T .	June 1946 to May 1961	15		33	
$\mathbf{D2}$	1906 to 1927	21	June to Dec. only	34	
D2	1904 to 1912 & 1917 to 1924	17	-do-	35	
	Jan. 1947 to May 1961	12	Full year		
D2	19(6 to 1925-26	20	Annual yield only	36	
${f T}$	Dec. 1949 to May 1961	न नयनं 10		37	
D2	1906 to 1925-26	20	Annual yield only	38	
A	June 1942 to May 1961	19		39	
D2	1949 to 1960	3	Jan. to May only, irregular observations	40	
D2	1950 to 1959	3	-do-	41	
${f T}$	June 1941 to May 1961	20		42	
D 2	1906 to 1925-26	20	Annual yield only	43	
D2	June 1902 to May 1916 and June 1948 to May 1960	21		44	

Serial	Name of site	State in which	Name of			
No.	1. 4	located	sub-tributary	tributary or main river		
1	2	3	4	5		
45.	Wadakbal	Maharashtra	Sina	Bhima		
46.	Ekruk Tank	,,	Ekruk Nalla (Sina) ,,		
47.	Hallur	Mysore		Tungabhadra		
48.	Harihar	,,	***	,,		
49.	Havanur	***		,,		
50.	Hesrur	**	•••	"		
51.	Tungabhadra Dam	97	***	97		
52.	Rajolibanda	,		**		
53 .	Sunkesala	Andhra Pradesh	•••	97		
54 .	Tunga anicut (Sacrebyle)	Mysore	Tunga	-9		
55 .	Lakkavalli	**	Bhadra	**		
56.	Bhadra Anicut	***	"	**		
57.	Banavasi	,,	Varada	,,		
58.	Vani Vilas Sagar	**	Hagari	19		
59.	Naranapur Anicut	"	,,	? *		
60.	Bha iravanithippa	Andhra Pradesh	**	,,,		
61.	Gundlapalli Dam	**	_	Dindi		
62.	(Dindi) P a leru	,,	~	Palleru		

Classifi-	Period for which data av		Serial		
cation	Period	Number of years for calculating average	Remarks	No.	
6	7	8	9	10	
D2	1952, 1953, 1958, 1959 and 1960	5	Jan. to May only	45	
Ţ	May 1944 to May 1961	17		46	
$\mathbf{D}2$	Jan. 1951 to May 1955	4		47	
$\mathbf{D2}$	Nov. 1950 to Oct. 1955	4		48	
D2	-do-	4		49	
D2	Nov. 1950 to Oct. 1954	3		5 0	
\mathbf{C}	June 1931 to May 1941	10	Monthly figures	51	
T	Feb. 1950 to May 1961				
A	July 1960 to May 1961	_		5 2	
A	June 1904 to May 1936	32		53	
C	June 1936 to May 1953	17			
C	June 1953 to May 1961	8			
S,A	Jan. 1946 to June 1955 and	10	Irregular obser-	54	
	July 1958 to Mar. 1961	न्यन	vations		
C/T	June 1930 to May 1961	31		55	
A	May 1947 to Sep. 1954		Irregular obser- vations	5 6	
$\mathbf{D}2$	1908 to 1925-26	18	Annual yield only	57	
C,T	July 1913 to Dec. 1960	47	Seasonal yield only	58	
A	Feb. 1960 to May 1961			5 9	
\mathbf{T}	Jan. 1957 to May 1961	4		60	
T	June 1958 to May 1961	3		61	
T	June 1958 to May 1961	2	Irregular obser- vations	62	

NOTATION

Unless otherwise stated, the following notation has been adopted herein:-

Q = Discharge in cusecs

L = Length, in feet, of weir or vent over which flow takes place

H = Depth of flow, in feet, on the crest of a weir

N = Number of end contractions

S = Surface slope of water flowing in a channel

N(k) = Kutter's rugosity coefficient

N(m) = Manning's rugosity coefficient

R. L. = Reduced level, or elevation in feet above mean sea level

ha = Head, in feet, due to velocity of approach

Va = Velocity of approach, in feet per second

g = Acceleration due to gravity, in feet per second per second

h = Head in feet

d = Difference (in feet) between the water level downstream of a weir and the crest of the weir

C = Coefficient

G = Gauge reading (in feet)

D = Depth of water in a channel

(A) METHODS ADOPTED FOR OBSERVING DISCHARGES AT VARIOUS SITES ON THE KRISHNA AND ITS TRIBUTARIES AND (B) THE PERIODS FOR WHICH DATA ARE AVAILABLE

Sites at which observations have been discontinued are shown in italics.

- (1) Krishna at Dhom (Maharashtra):
 - A. The area-velocity method was adopted at this site.

A cross-section at the site was taken generally at intervals of three or four years when cross-sectional areas for different gauge heights were worked out. The site is reported to be stable and not erodible.

The velocity observations during normal monsoon flow were made by using surface floats, generally wooden floats, released and picked up by trained swimmers. No boat was used. These observations were made at five points, one in the middle of the river, one near each bank and one between each bank and the middle. The gauge-run was usually 600 feet to 800 feet long and the mean surface velocity was obtained by dividing the length of the run by $\frac{1}{4}\left(\begin{array}{c}t_1+t_5\\2\end{array}+t_2+t_3+t_4\end{array}\right)$ in which t_1 , t_2 , t_3 , t_4 and t_5 were the times, in seconds, taken by each successive float, starting from one bank of the river, to travel from the upper to the lower end of the gauge-run. The mean velocity was calculated by multiplying the mean surface velocity with a coefficient depending on the hydraulic mean depth in accordance with Higham's Table IV, reproduced below:

Hydraulic mean depth	Value of coefficien
(feet)	
0.5	0.59
1.0	0.65
2.0	0.71
3.0	0.73
4.0	0.75
5.0	0.76
6.0	0.77
9.0	0.78
12,0	0.79

The gauge and velocity observations were usually taken twice a day at 6 a.m. and 6 p.m. but, during monsoon, when there are frequent fluctuations in the discharge, the observations were made more frequently. The wooden floats were thrown such that they fell approximately in the required compartments. Gauge readings were taken both at the beginning and end of the velocity observations.

From observations made in accordance with the method described above, standard discharge tables were prepared to serve as a check on the day to day work and for use when the velocity measurements were not made for any reason.

During the period from December to May, when the water-level goes below zero level of the gauge, the flow was diverted in a small well-defined channel of uniform width for a length of about 50 feet and velocity observations were made by noting the time taken by a float to pass from one end to the other of the 50 feet channel; the float was released by a man wading through the channel. This surface velocity was reduced to mean velocity by multiplying with the constant from the above Table. The cross-sectional area was determined by sounding.

- B. Data are available for the period June 1907 to December 1918 and January 1922 to April 1927, with the following exceptions:
 - (i) Data for the ten-day periods from October 21-31 to November 11-20, 1907 are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.
 - (ii) Data for the ten-day periods January 1-10 to May 21-31, 1919, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 11 years ending with 1918.
 - (iii) Data for the ten-day periods May 1-10 to May 21-31, 1927, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining four years 1923-1926.

With the assumptions described above, averages have been worked out for 17 years, June 1907 to May 1918 and June 1922 to May 1927.

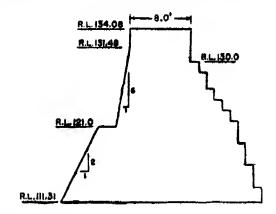
The ten-daily mean discharges have been worked out from the morning (6 A. M.) observations only.

(2) Krishna at Khodshi Weir (Maharashtra):

A. The discharge at this site is determined by calculating the flow over the weir and the supply let into the canal. Any water escaped through the under-sluices is ignored.

The alignment of the weir, in plan, is along a curve and its cross-section is shown in Figure 1.

Formerly, the discharge over the weir was being calculated by the formula $Q=2.97LH^{3/2}$ but since the remodelling of the weir, it is worked out from the formula Q=3.1(L-0.1NH)H3/2, to allow



SECTION ACROSS KHODSHI WEIR

Figure 1.

for end contractions. Free-fall conditions always exist for flow over the weir.

The gauge from which the values of H are observed is situated on the left abutment of the Left Bank Canal. The gauge is thus set back considerably from the main river stream and the portion of the anicut over which the flow occurs. Canal withdrawals are based on a gauge-discharge curve.

B. Data are available for the period November 1947 to May 1961, excluding the period August 1950 to February 1951. Averages have been worked out for 12 years, June 1948 to May 1961 omitting the year from June 1950 to May 1951.

(3) Krishna at Karad (Maharashtra);

A. Generally the same as for (1) above, except that the floats were dropped from a bridge about 200 feet upstream of the site and not released by swimmers.

The river bed at this site is reported to be erodible.

B. Data are available only for the period August 1950 to March 1957 with the following exceptions:—

Data are not available for the ten-day periods from January 1-10 to January 21-31 and from April 1-10 to May 21-31 for the year 1957 and figures have been assumed, for each ten-day period, as equal to the respective average for the remaining five years for which data are available.

With the above assumption, averages have been worked out for six years, June 1951 to May 1957.

The mean discharges have been worked out from the morning observations only.

(4) Krishna at Chitapur (Mysore):

- A. At this site the discharge was calculated by the slope-area method. The velocities were worked out with Kutter's formula assuming a uniform surface slope S of 2.62 feet per mile for all stages of flow; the value of N(k) was taken as 0.035 for all stages of flow and the cross-sectional area and the wetted perimeter for various gauge readings were taken from a table based on only one cross-section observed initially. The gauges were read once or twice a day. The bed of the river at this site is reported to be rocky.
- B. Data are available for only one year, June 1958 to May 1959. No averages have been worked out.

(5) Krishna at Deosugur (Mysore):

A. Same as for (4) above, except that the slope S adopted at this site was 3.0 feet per mile, for all stages of flow, but the values of N(k) were varied, as follows, for different water levels in the river:—

The site is reported to be rocky and not erodible.

- B. Data are available for only 11 months, July 1958 to May 1959. No averages have been worked out.
- (6) Krishna at Siddeswaram (Andhra Pradesh):
 - A. The discharges were obtained from a gauge-discharge curve, based on discharges computed by slope-area method. The surface slope was obtained from three sets of gauges observed daily and the value of Kutter's rugosity coefficient N(k) was taken as 0.035 for all stages of flow. The site is reported to be stable.
 - B. Data are available for the period June 1948 to July 1953, with the following exceptions:—
 - (i) The figure for the period June 1-10, 1948, is not available and has been assumed as equal to the average for this period for the remaining four years.
 - (ii) The figure for the period July 21-31, 1950, is not available and has been taken as equal to the average of the figures for July 11-20 and August 1-10 for the same year.
 - (iii) The data for the ten-day periods September 21-30 and October 1-10, 1949, are not available and have been assumed on the basis of data for earlier and later periods of the same year.
 - (iv) The figures for the periods September 11-20 and October 1-10, 1951 are not available and have been taken as equal to the averages of the figures for the preceding and the following ten-day periods.
 - (v) The data for the month of March, 1950, are not available and have been assumed as equal to the average of the monthly values for February and April 1950.

With the assumptions described above, averages have been worked out for a period of 5 years June 1948 to May 1953.

Whenever there are more than one discharge observation during a day, the mean discharges have been calculated from the morning (6 A.M.) observations only.

- (7) Krishna at Nagarjunasagar Dam (Andhra Pradesh)
 - A. The slope-area method was used to calculate the river discharge upto January, 1961, from February 1961, the area-velocity method is in use. The velocity was observed initially by surface floats but, since June 1961, current meter observations are being made.

In the slope-area method, the discharge of the river was calculated by using Manning's formula, adopting a uniform surface slope S, for all stages of flow, of 1/1346 (based on observations conducted on two days in July 1956), a constant unvarying river periphery and a fixed value of N(m) of 0.035. A gauge-discharge curve was evolved and a working table prepared showing the discharges corresponding to any gauge. Gauges fixed on the bridge piers, on the upstream side, were read regularly. It is reported that the river bed has since undergone considerable change due to washing in of excavated spoil and debris.

The float method of observation was adopted at the time of diversion of flow through low blocks in the dam, the surface velocity in each low block being obtained by observing the time taken by wooden disc. floats to traverse between two fixed points within the block. The depth of flow was obtained by sounding. The mean velocity was taken as 85% of the surface velocity; the latter, it is reported, was considerably disturbed.

In the current meter gauging, a cross-section taken at about 50 feet downstream of the bridge has been adopted for the cross-sectional areas. Surface velocity observations are made in one out of every three spans of the bridge and at three points in that span (in the middle, in the left third and in the right third) and the average is determined. The mean velocity is taken as 90% of the average surface velocity. The current meter is suspended from the top of the bridge. The reference gauges are the same as before, i.e. those fixed on the bridge piers, on the upstream side.

The bed of the river at the bridge site is reported to be rocky.

B. Data are available for the period 14th August, 1956, to 31st May, 1961, excluding the period from 24th March, 1957 to 3rd July, 1957. Averages have been worked out for 3 years from June 1958 to May 1961.

The mean di-charges have been worked out from the morning (6 A. M.) observations only.

- (8) Krishna at Vijayawada (Andhra Pradesh):
 - A. (i) Gauges, upstream and downstream of the anicut and in the off-taking canals were regularly observed and recorded, three times a day, at 6, 12 and 18 hours. From these observations, the supplies withdrawn by the canals, the flow over different portions of the anicut, and the discharges passed through the anicut undersluices were calculated and the sum total of all these components gave the total flow of the River Krishna at Vijayawada, the daily recorded discharge being the weighted average of the discharges at 6, 12 and 18 hours.
 - (ii) For the purpose of calculating the discharge over the anicut, the whole length was divided into the following five parts* (see Plate I):
 - (a) The central portion of the anicut, 3,193.35 feet long, is in the form of a weir with a crest width of 6.0 feet with a 20 feet extension upstream at a slightly lower level (see Plate I). It had six feet high automatic shutters on top of the crest §. The top level of the shutters was R.L. 53.05 and the effective crest level, when the shutters were down, was R.L. 47.22.

This description applies upto 1960. From 1961, the new Krishna Barrage has come into operation and the flow conditions have changed.

The crest level of the anicut was originally kept at R.L. 45.80. It was raised in the year 1891 to R. L. 46.80 and a temporary mud-wall two feet high was built over this crest to raise the water level to R. L. 48.80. In the year 1894, the temporary mud-wall was dispensed with and the crest-level was raised to R.L. 48.80. But this change was soon found to cause severe damage to the aprons of the anicut and hence, in 1897, the permanent crest was lowered to R.L. 46.80 and wooden planks three feet high were used on the crest to give the required water level. Again in 1898, the fixed crest of the anicut was raised to R.L. 47.05 and the three feet high automatic falling shutters were replaced by six feet automatic falling shutters of Zifton type. Each shutter was ten feet by six feet and eleven of them formed a set; there were 29 sets of shutters on the anicut.

During the floods of September 1952, the anicut breached in a length of 130 feet. Repairs were immediately taken up during the summer of 1952-53 and the damaged wall of the anicut was rebuilt as a cement concrete wall.

The present Krishna Barrage 3,400 feet long with 70 bays, each 40 feet wide, was constructed between 1952 and 1960. It is a regulator-cum-bridge about 104 feet upstream of the line of shutters of the anicut. The sill level of the barrage gates is R.L 45.05 and their top level is R.L. 57.05, the gates being 12 feet high. The barrage came into operation from May 1961, the automatic falling shutters having been removed.

- (b) The Vijayawada side level flank, 174.33 feet long with crest at R. L. 53.05.
- (c) The Vijayawada side sloping flank, 108:92 feet long with crest, rising from R.L. 53.05 to R. L. 57.40, at a slope of 1 in 25.04.
- (d) The Seethangaram side level flank, 156 feet long, with crest at R.L. 53.05.
- (e) The Seethangaram side sloping flank, 126 feet long, with crest rising from R.L. 53.05 to R. L. 58.30, at a slope of 1 in 24.

The position of the river gauges is shown in Plate I.

- (iii) The discharge over the anicut was calculated as follows:-
 - (A) When the downstream water level was below the crest level of the anicut:
 - (a) any flow over the central portion of the anicut [(ii) (a) above] was calculated by the formula*:

$$Q = 3.1L \left[\left(H + h_a \right)^{3/2} - h_a^{3/2} \right] \dots (1)$$
, in which

L= effective length in feet of the central portion of the anicut, after taking into account any shutters standing;

H=difference between the average of the readings of two upstream gauges (one on the right flank and the other on the left flank) and the crest level of the anicut (R. L. 47.22); and

ha=head due to velocity of approach. The velocity of approach

was taken** as 0.44 H feet per second; therefore.

$$h_a = v_a \frac{2}{2g} = (0.44H)^{-2}/2g = 0.003025H^2$$

सकारों ने नेपन

^{*} It seems that prior to 1913, the velocity of approach was ignored and the coefficient was 3.5 instead of 3.1.

^{**} Based on three ad-hoc observations of the river flow near the anicut, made in 1892-93.

- (b) Any flow over the level flanks [(ii) (b) and (d) above] was calculated by formula (1) above, taking H as equal to the difference between the upstream gauge on the flank concerned and the crest R. L. 53.05.
- (c) Any flow over the sloping flanks [(ii) (c) and (e) above] was calculated by formula (1) above, ignoring the velocity of approach (i. e. taking $h_a = 0$) and taking the average depth of water on the slope and the horizontal length of slope covered by water.
- (d) Any flow over the standing shutters was also calculated by formula (1) above, taking H as the difference between the average of the gauge readings on both flanks and R. L. 53.05.
- (B) When the downstream water level was above the crest level of the anicut:
 - (a) Any flow over the central portion of the anicut [(ii) (a) above] was calculated by the formula:

h represents the difference between the upstream and the downstream water levels (based on the two gauges upstream of the weir on each flank and only one gauge downstream of the weir on the right side).

The value of the coefficient C varies with the value of d as follows*

									C_{\cdot}
For d ,	less :	tha	n 5	feet	t			••••	0,60
,,	from	5	feet	to	less	than	6 f	et	
,,	,,	6	,,	,,	,,	,,	7	,,	9.66
,,	,,	7	,,	,,	,,	**	8	,,	
,,	,,	8	,,	,,	,,	,,	9	,,	0.84
,,									0,90
,,	,,	10	,,	,,	,,	,,	11	,,	0.93
,,									0.95

^{*} It seems that prior to 1917, C was taken as unity for all values of d.

The velocity of approach, in this case also, was taken 0.44 H, H being the depth of water over the crest. The head due to velocity of approach h_a , therefore, was $V_{a/2}^{2/2}g = (.044H)_{a/2}^{2/2}g$

 $=0.003025H^2$. From $1936^{\text{@}}$, however, a new table was introduced which gave lower values for h_a than by this formula. This may be illustrated by the following table.

H	Value of h_a adopted before	Value of h_a adopted
	1936	after 1936
(feet)	(feet)	(feet)
6.0	0.11	0.11
10.0	0.30	0.28
12.0	0.44	0.35
15.0	0.68	0.44
17.0	0.87	0 48
19.0	1.09	0.49

- (b) Any flow over the level flanks [(ii) (b) and (d) above] was calculated by formula (1) above, if the downstream water level was lower than R L. 53.05, and by formula (2) above, if the downstream, water level was higher than R.L. 53.05. In the latter case, the value of d was taken with reference to the crest level of the horizontal flanks (R.L. 53.05) and the coefficient C and the value of h_a in the same manner as described under (a above.
- (c) Any flow over the sloping flanks [(ii) (c) and (e) above] was similarly calculated by formula (1) or formula (2) depending on the downstream water level; the effective length being determined as follows:

For the Vijayawada slope,

$$Length = \frac{[Upstream water level + downstream water level - 53.05] \times 25.039}{2}$$

[@] Chief Engineer, freigation letter No. 35/35-A.E.P. dated 12th December, 1936 (not made available to the Commission).

For the Vijayawada steps,

Length=(upstream water level-57.40) \times 2.053

For the Seethanagaram slope,

$$\textbf{Length} = \underbrace{\frac{[\textbf{Upstream water level} + \textbf{downstream water level}}{2} - 53.05] \times 24$$

Based on the formulae and methods described above, appropriate tables had been framed to facilitate calculations.

(iv) The withdrawals by the canals taking off Vijayawada anicut were based on observed gauges in the canals and were calculated, from time to time, by the following formulae:

Name of Canal	1921-22 to 1927-28	1928-29 to 1930-31
Bander	996.7 <i>G</i> — 9,745.3	$244g^2 - 162 G - 318$
Ryves	1,0696 — 5,553	$18.4G^2 + 275.4G - 475$
Ellore	1,010 <i>G</i> — 5,394	$8.7G^2 + 102.5G - 539$
Seethanagaram	$416G^2 - 50.8G - 446$	$3.8 \ 27.1G^2 + 257G - 1.917$

The method of calculation of canal withdrawals is not available for the Bander, Ryves and Ellore Canals from 1931-32 to 1935-36 and for the Secthanagaram Canal from 1931-32 to 1941-42. After these dates, the withdrawals were based on gauge-discharge curves which were revised from time to time.

- (v) The discharges passed through the anicut undersluices were calculated as follows:
 - (a) When the under-sluices gates were clear of water, $Q = 5L\sqrt{h}$ (H-0.33h)
 - (b) When the under-sliuce opening was wholly submerged, $Q=5L D\sqrt{h}$

(xxi)

(c) When the under-sluice opening was partially submerged,

$$Q=3.1L(H^{3/2}-H_1L^{3/2})+5L D\sqrt{h}$$
, where

D=height of vent

h=difference between upstream and downstream water levels

H=upstream depth of water above sill and

 H_I =depth of shutter bottom below upstream water level.

- B. Data are available from January 1894 but are included herein for the period June 1901 to May1961. Ten-daily figures are not, however, available for the months of January, February and March 1935. Figures for each ten day period of the month concerned have been taken as equal to the monthly average, which is available. With this assumption, averages have been worked out for each 10 years period beginning with June 1901 and also for 60 years.
- (9) Koyna at Jalkewadi (Maharashtra):
 - A. The discharges at this site are based on current meter gaugings taken from a cradle travelling along a cableway stretched across the river; velocities are determined at a depth of three inches from the surface and at every two feet thereafter. The width of the river is divided into six segments and velocities are observed in each. The mean velocity for each segment is determined by plotting the velocities for the different depths and dividing the area under the velocity curve by the depth at that section. The discharge for each segment is then computed and the total of the discharges for all segments gives the total discharge.

Velocity readings are also taken by surface floats for comparision with current meter readings and in times of floods when the use of current meter is not possible. The mean velocity is taken as 0.78 to 0.80 of the surface velocity.

The river bed at this site is reported to be not erodible.

- B. Data are available from June 1949 to October 1960 for the months June to October only, with the following exceptions:—
 - (i) The figures for the period June 1-10 for the years 1950, 1951, 1953 and 1958 are not available and have been taken as nil.

(ii) Data for two ten day periods, October 1-10 and 21-31, 1951, are not available and have been assumed mainly on the basis of the corresponding figures for the year 1952.

With the above assumptions, averages have been worked out for 12 years from June 1949 to October 1960.

Irregular data are also available for the months November to May. No averages have been worked out for these months.

(10) Koyna at Helwak (Maharashtra):

- A. Generally same as for (1) above, except that velocities were observed by current meter. The river bed is reported to be not erodible at this site.
- B. Data for annual yield only are available from 1906 to 1925-26. The figures for the years 1906 to 1919 are for the seven months from June to December. The figures for the months of January to May have been as sumed as nil. The figures for the years 1922-28 to 1925-26 are for twelve months from 1st May to 30th April. The position regarding figures for 1920 and 1921 is not clear.

With the above assumption, averages have been worked for 20 years.

(11) Yerla at Yeralwadi (Maharashtra):

- A. Generally same as for (1) above; the river bed is reported to be not erodible.
- B. Data are available for the period January 1913 to December 1916 and January 1919 to December 1926, with the following exceptions:
 - (i) Data for the following periods are not available and have been taken as nil: May 21-31 and June 1-10, 1914; from January 1-10 to May 21-31 for the years 1917, 1926 and 1927; from May 1-10 to 21-31 for the years 1920 and 1921; and from April 1-10 to May 21-31, 1925.
 - (ii) The figure for the period May 11-20, 1923 is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.

(xxiii)

With the assumptions described above, averages have been worked out for 12 years.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(12) Yerla at Ramapur (Maharashtra):

- A. Same as for (1) above, except that the cross-sections are taken yearly and sometimes more than once a year; the river bed is reported to be unstable.
- B. Irregular data are available for the period August 1956 to May 1961. No averages have been worked out.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

(13) Bhogawati (Panchganga) at Radhanagri (Maharashtra):

- A. The discharge at this site is taken as the sum of the calculated discharges through the under-sluices, turbines, cross-drains etc. and the flow over the waste weir.
- B. Data are available for the period January 1954 to May 1961, with the following exceptions:
 - (i) Data for the ten-day periods from January 1-10 to May 21-31, 1961, are not available and the mean discharge for each ten day period has been taken as equal to the respective average for the remaining six years.

With the above assumptions, averages have been worked out for seven years, June 1954 to May 1961.

(14) Ghataprabha at Hadalga (Maharashtra):

- A. Generally same as for (1) above; the river bed is reported to be not erodible.
- B. Data are available from 1906 to 1918 of annual yield based on figures for seven months from June to December; flow during the months from January to

May is negligible and has been assumed as nil. Averages have been worked out for 13 years.

Daily data are available for the period June 1919 to May 1927, with the following exceptions:

- (i) Data for the ten day period January 11-20, 1924, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
- (ii) Data for the ten-day periods, August 11-20 and 21-31, 1926, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.
- (iii) Data for the ten-day periods May 11-20 and 21-31, 1921, May 21-31, 1924, from April 21-30 to May 21-31, 1926, and from April 1-10 to May 21-31 1927, are not available and have been taken as nil.

With the above assumptions, averages have been worked out for eight years.

(15) Ghataprabha at Daddi (Maharashtra):

- A. Same as for (1) above; the river bed is reported to be not erodible.
- B. Data are available for the periods from June 1949 to October 1955, with the following exceptions:
 - (i) Data for the ten-day periods from May 1-10 to 21-31, 1950, June 1-10, 1952 and from March 1-10 to May 21-31, 1955, are not available and have been taken as nil.
 - (ii) The figures for the ten-day periods September 21-30, 1952 and April 1-10, 1953 are not available and have been taken as equal to the respective average of the figures for the preceding and the following ten-day periods.

With the above assumptions, and omitting the years 1950-51 and 1951-52, averages have been worked out for 4 years.

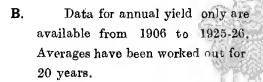
The mean discharges have been worked out from the morning (6 A.M.) observations only.

(16) Ghataprabha at Dhupdal (Mysore):

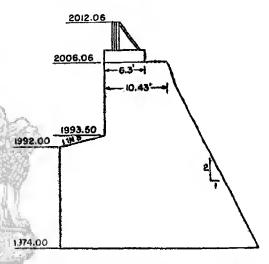
A. The discharge at this site is determined from the calculated discharges let through various sluices in the weir at Dhupdal and the quantity flowing over the weir. For flow over the weir, the co-efficient of discharge C is assumed as 0.67 in the formula Q=2/3 $C.L.\sqrt{2g}$. $H^{3/2}$. Thus Q=3.55 L $H^{3/2}$.

In the middle portion of the weir, the river bed is deep and the conditions of flow are always "free-fall". On the sides, the river bed downstream of the weir is relatively high and during high flow, "free-fall" conditions

do not occur there. The reference gauge is fixed on only one side of the weir, on the left abutment. The section of the weir is shown in Figure 2.



Data, on a daily basis, are also available for the period from January, 1938, to May, 1961. Averages have been worked out for 23 years from June, 1938, to May, 1961.



SECTION ACROSS DHUPDAL WEIR Figure 2.

17) Ghataprabha at Chinchkandi (Mysore):

- A. Generally the same as for (1) above. The cross-section was taken once and velocities were observed at three points instead of five. The observations, it is stated, were made by untrained personnel and the εite is reported to be erodible.
- B. Irregular data from June to November are available for the years 1953 to 1958. Omitting the years 1953 and 1957, averages have been worked out for 4 years from July to November.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

- (18) Ghataprabha at Anagwadi (Mysore)
 - A. Same as for (17) above.
 - B. Irregular data from June to November are available for the years 1949 to 1957. Averages have been worked out for 3 years, 1949, 1955 and 1956, for which years the data are complete.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

- (19) Ghataprabha at Murmuttisangam (Mysore):
 - A. Same as for (17) above. The readings at the site were subject to possible back flow from the Krishna.
 - B. Irregular data for June to November are available from 1949 to 1957. Averages have been worked out for 5 years, 1950, 1952, 1953, 1954 and 1956 for the months from June to October after assuming certain values not available for the month of June as nil.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

- (20) Hiranyakeshi (Ghataprabha) at Ajra (Maharashtra):
 - A. Same as for (1) above; the river bed is stated to be not erodible.
 - B. Data are available from June to December for the years 1904 to 1926, with the following exceptions:
 - (i) The figure for the ten-day period November 21-30, 1923, is not available and has been taken as equal to the average of the figures for the proceding and the following ten-day periods.
 - (ii) Data for the ten-day periods December 11-20 and 21-31, 1905 are not available and have been taken as nil.

With the assumptions described above, averages have been worked out for 22 years.

- (21) Markandeya (Ghataprabha) at Basapur (Mysore)
 - A. Same as for (17) above.
 - B. Data are available from June to November for the years 1949 to 1954, except that data for some days of June are not available and have been taken as nil. With this assumption, averages have been worked out for 5 years, omitting the year 1950.

The mean discharges have been worked out from the merning (6 A. M.) observations only.

(22) Malaprabha at Asoga (Mysore):

- A. Same as for (17) above. The river bed at this site is stated to be rocky and not erodible.
- B. Irregular data are available from June to December for the years 1949 to 1960. Omitting the years 1950, 1953, 1954 and 1956 and with the assumptions described below, averages have been worked out for eight years:—
 - (i) Figures not available for some days in the month of June have been taken as nil.
 - (ii) Figures for the ten-day periods from November 11-20 to December 21-31, 1951, are not available and have been taken as nil.

The mean discharges have been worked out from morning observations only.

(23) Malaprabha at Kolchi (Mysore):

A. Same as for (1) above until the year 1956. Since then, the discharges are based on overflow over the weir, calculated from the formula Q=3.11 $LH^{3/2}$ and the canal withdrawals.

(xxviii)

The section of the weir is shown in *Figure 3*. Free-fall conditions occur during low flow but the weir is submerged during high discharges.

- B. Data are available for the period from June 1951 to May 1961, with the following exceptions:
 - (i) Data for the ten-day periods,
 December 11-20 and 21-31,
 1955, and March 21-31, 1958,
 are not available and have
 been assumed on the basis of
 figures for earlier and later tenday periods in the same year

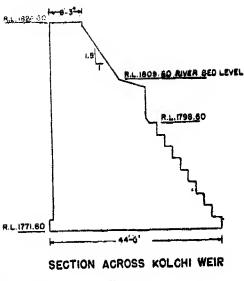


Figure 3

- (ii) Data for the ten-day period June 1-10, 1956 is not available and has been taken as equal to the average of the figures for the preceding and following ten-day periods.
- (iii) Data for the ten-day p riods from October 21-31, to December 21-31, 1957, and from January 1-10 to April 1-10, 1959, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 9 years.
- (iv) Data for the ten-day period, April 21-30, 1958, is not available and has been taken as equal to the average for this period for the remaining years.
- (v) Data for the ten-day periods from May 1-10 to 21-31, 1958 and May 1-10 1959 are not available, and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining years.

With the above assumptions, averages have been worked out for 10 years, June 1951 to May 1961.

(24) Malaprabha at Hiresangam (Mysore):

A. Same as for (17) above; the readings are likely to be subject to effect of back flow from the Krishna.

- B. Data are available from June to November for the years 1952 to 1956, with the following exceptions:
 - (i) The figure for the ten-day period August 1-10, 1952, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
 - (ii) Data for the ten-day periods from November 1-10 to 21-30, 1952, are not available and have been taken the same as the corresponding figures for the year 1957.
 - (iii) The figure for the ten-day period June 1-10, 1953, is not available and has been taken as equal to the average for this period for the remaining four years.
 - (iv) The figure for the ten-day period November 21-30, 1955, is not available and has been taken as 5,000 cusecs on an ad-hoc basis.

With the assumptions described above, averages have been worked out for five years from 1952 to 1956.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

- (25) Bhima at Chaskaman (Maharashtra):
 - A. Same as for (1) above; the river bed is stated to be not erolible at this site.
 - B. Data for annual yield are available from 1906 to 1925-26. The figures from 1906 to 1919 are for seven months only from June to December. The values for the months of January to May being negligible have been assumed as nil. With this assumption, averages have been worked out for 20 years.
- (26) Bhima at Dhond (Maharashtra):
 - A. Only hot weather discharges were observed as per (1) above; the river bed is stated to be not erodible.

- B. Data are available only from December to May for the years 1955-56, 1958-59, 1959-60, and 1960-61, with the following exceptions:—
 - (i) Data for the ten-day period December 1-10 of the years 1958 and 1959 are not available and have been taken as equal to the average for the remaining two years.
 - (ii) Data for the ten-day periods December 11-20 and 21-31, 1959, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining three years.
 - (iii) The figure for the ten-day period May 21-31, 1956, is not available and has been assumed on an ad-hoc basis.
 - (iv) The figure for the ten-day period May 21-31, 1960, is not available and has been taken as nil.

With the assumptions described above, averages have been worked out for four years. The mean discharges have been worked out from the morning (6 A. M.) observations only.

(27) Bhima at Yadgir (Mysore):

A. The discharges were calculated by the slope-area method adopting a uniform surface slope of 3.0 feet per mile and values of N(k) as follows:

R.L.			R.L.	N(k)	
from	1148	to	1184	0.035	
from	1184	to	1194	0.030	

Cross-sectional areas and wetted perimeters for various gauge readings were taken from a table based on a cross-section observed initially, about 500 ft. below the bridge at the site. The reference gauge is on the upstream side of the bridge piers on the left side. The site is stated to be erodible in parts.

B. Data are available only from July 1957 to March 1959. No averages have been worked out.

(28) Bhama (Bhima) at Waki (Maharashtra):

- A. Same as for (1) above; the river bed at the site is stated to be erodible.
- B. Data are available for the period from June 1949 to July 1959, with the following exceptions:—
 - (i) Data for the ten-day periods from December 1-10 to 21-31, 1953, are not available and have been assumed on the basis of data for earlier and later ten-day periods of the same year.
 - (ii) Data for the ten-day periods from March 1-10 to April 21-30, 1954, and from April 1-10 to May 21-31 of the years 1952 and 1957 are not available and have been taken as nil

With the assumptions described above, averages have been worked out for nine years, from June 1949 to May 1959.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(29) Kudil (Bhima) at Wadivale (Maharashtra):

- A. Same as for (1) above; the river bed is stated to be erodible at this site.
- B. Data are available for the period from June 1949 to October 1959, with the following exceptions:—
 - (i) Data for the ten-day periods from July 1-10 to 21-31, 1958, and from September 1-10 to October 1-10, 1959, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the respective year.
 - (ii) Data for ten-day periods from November 1-10 to 21-30 of the years 1958 and 1959; December 21-31, 1958; from December 1-10 to 21-31, 1959; January 1-10 and 11-20, 1950; from January 1-10 to 21-31 of the years 1959 and 1960; from February 1-10 to March 21-31, 1960; from April 1-10 to 21-30 of the years 1955 and 1960 and from May 1-10 to 21-31 of the years 1955 and 1960 are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining years.

With the assumptions described above, averages have been worked out for nine years, omitting 1955-56 and 1956-57 for which data are not available.

The mean discharges have been worked out from the morning (6 A M.) observations only.

- (30) Vel (Bhima) at Shikrapur (Maharashtra):
 - A. Same as for (1) above; the river bed is stated to be erodible at this site.
 - B. Data are available for the period June 1949 to May 1961, with the following exceptions:
 - (i) Data for the ten-day periods from January 1-10 to March 21-31, I953, and from January 1-10 to May 21-31, 1955, are not available and the mean disharge for each ten-day period has been taken as equal to the respective average for the remaining years.
 - (ii) Data for the period from June 1955 to April 1956 are not available; the year 1955-56 has, therefore, not been considered for calculating the averages.

With the above assumptions, averages have been worked out for 11 years.

The ten-daily mean disharges have been worked out from the morning (6 A.M.) observations only.

- (31) Mula-Mutha (Bhima) at Pimpalgaon Rahu (Maharashtra):
 - A. Same as for (26) above, the river bed is stated to be ero dible at this site.
 - B. Irregular data are available only for the months from January to May for the years 1950 to 1959. With the assumptions described below, averages have been worked out for five years:

(xxxiii)

- (i) Data for the ten-day periods from April I-10 to May 21-31, 1952, are not available and have been assumed on the basis of figures for earlier periods in the same year.
- (ii) Data for the ten-day periods from May 1-10 to 21-31, 1954 are not available and have been assumed as nil on the basis of figures for earlier periods in the same year.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(32) Mula (Bhima) at Mulshi Dam (Maharashtra):

- A. The discharge at this site is calculated from the inflows into the reservoir and the draw-offs for power generation from the lake. The 'content table' gives inflow into the lake corresponding to the daily gauge readings.
- B. Monthly figures only are available from June 1930 to May 1961 and 31 years' averages have been worked out.
- (33) Mutha (Bhima) at Kadakwasla (Maharashtra):
 - A. From the daily water-levels observed in the lake, the contents of the lake are determined by referring to the content table. Discharges through various sluices in the dam, leakage and other losses etc., for every day, are recorded in a statement. From these, the discharges at this site are worked out.
 - B. Data are available for the period from June 1946 to May 1961 except that some figures for the months of June, July, October, November, March, April and May are not available. These have been assumed as nil and averages have been worked out for 15 years, June 1946 to May 1961.
- (34) Ghod (Bhima) at Nirgudsar (Maharashtra):
 - A. Same as for (1) above; the river bed at the site is stated to be not erodible.
 - B. Data are available only for the months June to December from 1906 to 1927, except that data for the ten-day periods from June 1-10 to 21-30, 1908 are not

(xxxiv)

available. The mean discharge for these ten-day periods have been taken as equal to the respective average for the remaining 4 years ending with 1911. With this assumption, averages have been worked out for 21 years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(35) Mina (Bhima) at Wadgaon (Maharashtra):

- A. Same as for (1) above; the river bed at the site is stated to be not erodible.
- B. Data are available only for the months from June to December for the years 1904 to 1912 and from 1917 to 1924 and for all months from January 1947 to May 1961, with the following exceptions:—
 - (i) Data are not available for the ten-day periods from June 1-10 to 21-30, 1905; June 1-10, 1906; June 1-10 and 11-20, 1907; from June 1-10 to 21-30, 1908; from November 1-10 to 21-30, 1922; from June 1-10 to 21-30, 1923; from December 1-10 to 21-31, 1923 and from February 1-10 to 21-28, 1957. The mean discharges for these periods have been assumed as nil.
 - (ii) The figure for the ten-day period October 1-10, 1923, is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
 - (iii) Data for the ten-day periods from January 1-10 to February 21-28, 1951, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining 12 years (1948 to 1961).

With the above assumptions, averages have been worked out for 17 years for the months from June to December only and for 12 years for the year as a whole.

The ten-daily mean discharges have been worked out from the morning (6 A.M.) observations only.

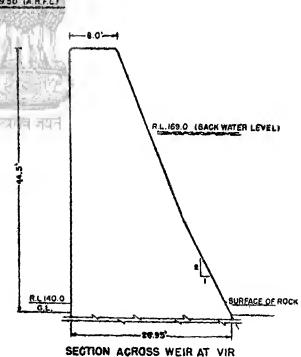
(36.) Kukdi (Ghod) at Edgaon (Maharashtra).

- A. Generally same as for (1) above, the condition of the river bed is not known.
- B. Data for annual yield only are available from 1906 to 1925-26. Averages have been worked out for 20 years.

(xxxv)

- (37) Hanga (Ghod) at Visapur (Maharashtra);
 - A. Same as for (32) above.
 - B. Data are available for the period December 1949 to May 1961, except that the data for the ten-day periods from January 11-20 to May 21-31, 1953, are not available. These have been taken as nil. With this assumption, and omitting the year 1953-54, for which also data are not available, averages have been worked out for 10 years.
- (38) Nira (Bhima) at Natambi (Maharashtra):
 - A. Same as for (1) above; the river bed at the site is stated to be not erodible.
 - B. Data for annual yield only are available from 1906 to 1925-26. The figures for the period from 1906 to 1919 are for seven months only from June to December. The values for the months of January to May are negligible and have been assumed as nil. With this assumption, averages have been worked out for 20 years.
- (39) Nira (Bhima) at Vir (Maharashtra):
 - A. The discharges are based on the flows over the weir (calculated by the

formula $Q=3.09 LH^{3/2}$) and the withdrawals in the sluices. Generally, free-fall conditions eccur at the weir. The cross-section of the weir is shown in Figure 4.



- B. Data are available for the period from June 1942 to May 1961, except that the data for the ten-day periods from December 1-10 to 21-31, 1942, and from April 1-10 to 21-30, 1943, are not available. The mean discharges for these ten-day periods have been taken as equal to the respective averages for the remaining eight years ending with May 1951. With this assumption, averages have been worked out for 19 years, June 1942 to May 1961.
- (40) Nira (Bhima) at Sarati (Maharashtra):
 - A. Same as for (1) above; the river bed is, however, stated to be eredible.
 - B. Irregular data for the months January to May are available for a few years in the period 1949-60. Averages have been worked for three years for which data are available for all the five months.

The mean discharges have been worked out from the morning (6. A.M.) observation only.

- (41) Nira (Bhima) at Narasingpur (Maharashtra):
 - A. Same as for (26) above; the river bed is stated to be stable and incrodible

Irregular data for the months January to May are available for the years 1950 to 1959. Averages have been worked out for three years with the following assumptions:—

- (i) The figure for January 21-31, 1952 is not available and has been taken as equal to the average of the figures for the preceding and the following ten-day periods.
- (ii) The figure for January 1-10, 1955, is not available and has been taken as equal to the average for the remaining two years (1952 and 1953).

The ten-daily mean discharges have been worked out from the merning (6 A.M.) observations only.

- (42) Yelwandi (Nira-Bhima) at Bhatghar (Maharashtra):
 - A. Same as for (33) above.

(xxxvii)

- B. Data are available for the period from June 1941 to May 1961 except that data for the ten-day periods from December 1-10 to May 21-31, 1958-59, are not available. The mean discharge for each of these ten-day periods has been taken as equal to the respective average for the remaining nine years ending May 1961. With this assumption averages have been worked out for 20 years, June 1941 to May 1961.
- (43) Gunjawani (Nira) at Mohri (Maharashtra):
 - A. Same as for (1) above, the river bed is stated to be not erodible at this site.
 - B. Data for annual yield are available from 1906 to 1925-26. The figures from 1906 to 1919 are for seven months from June to December. The values for the months from January to May have been assumed as nil. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st May to 30th April The position regarding figures for 1920 and 1921 is not clear. With this assumption, averages have been worked out for 20 years.
- (44) Sina (Bhima) at Hatwalan (Maharashtra):
 - A. Same as for (1) above; the river bed is stated to be not erodible at this site.
 - B. Data are available for the period from June 1902 to May 1916 and from June 1948 to May 1960, with the following exceptions:—

यक्षपंत्र स्थान

- (i) Data are not available for the ten-day periods from January 1-10 to May 21-31 of 1908 and 1912 to 1916, from September 1-10 to 21-30, 1912, from May 1-10 to 21-31 and July 21-31, 1949, from February 1-10 to May 21-31, 1951, from March 1-10 to May 21-31, 1952, from January 1-10 to May, 21-31, 1953, June 1-10, 1954, and from April 1-10 to May 21-31, 1958. These have been taken as nil.
- (ii) Data for the ten-day periods from January 1-10 to 21-31, 1950, from December 1-10 to 21-31, 1954, and from February 1-10 to 21-28, 1958, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the year to which they relate.

(xxxviii)

(iii) The years 1904-05, 1905-06, 1908-09, 1953-54 and 1958-59 have not been considered for calculating the averages as data for a number of months are not available in each of these years.

With the above assumptions, averages have been worked out for 21 years.

The mean discharges have been worked out from the mcrning (6 A.M.) observations only.

(45) Sina (Bhima) at Wadakbal (Maharashtra):

- A. Same as for (26) above; the river bed is, however, stated to be erodible.
- B. Data are available only for the months from January to May for the years 1952, 1953, 1958, 1959 and 1960, with the following exceptions:
 - (i) Data for the ten-day periods January 1-10, 1953, and January 1-10 and 11-20, 1959, are not available and have been assumed on the basis of figures for later ten-day periods in the year concerned.
 - (ii) Data for the ten-day periods from January 1-10 to 21-31, 1961, are not available and the mean discharge for each ten-day period has been taken as equal to the respective average for the remaining four years
 - (iii) Data for the ten-day periods from May 1-10 to 21-31, 1954, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.

With the assumptions described above, averages have been worked out for five years.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

- (46) Ekruk Nalla (Sina) at Ekruk (Maharashtra):
 - A. Same as for (33) above.
 - B. Data are available for the period from May 1944 to May 1961. Averages have been worked out for 17 years, June 1944 to May 1961.

(xxxix)

- (47) Tungabhadra at Hallur (Mysore):
 - A. Same as for (17) above.
 - B. Data are available for the period from January, 1951 to May 1955, except that for the ten-day period, May 21-31, 1955, which has been assumed on the basis of figures for earlier ten-day periods in the same year. With this assumption, averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

- (48) Tungabhadra at Harihar (Mysore):
 - A. Same as for (17) above.
 - B. Data are available for the period from November, 1950 to October 1955.
 Averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A. M.) observations only.

- (49) Tungabhadra at Havanur (Mysore)
 - A. Same as for (17) above. About half the river is stated to be erodible and the rest rocky and not erodible.
 - B. Data are available for the period from November, 1950, to October 1955.
 Averages have been worked out for four years from June 1951 to May 1955.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

- (50) Tungabhadra at Hesrur (Mysore):
 - A. Same as for (17) above.
 - B. Data are available for the period from November 1950 to October 1954, except that for the ten-day periods July 1-10 and I1-20, 1952, and from October 1-10 to 21-31, 1951. These have been assumed on the basis of figures for earlier

and later ten-day periods. With this assumption, averages have been worked out for three years from June 1951 to May 1954.

The mean discharges have been worked out from the morning (6 A.M.) observations only.

(51) Tungabhadra at Tungabhdra Dam (Mysore):

Prior to the construction of the Tungabhadra Dam at Mallapuram across Α. Tungabhadra, the flow in Tungabhadra was determined at the Vallabhapur-Koregal site, about seven miles upstream of Mallapuram. At this site, there were two anicuts separated by an island; the zigzag 1,690 feet long Koregal anicut on the left flank of the island and the 1,150 feet long straight Vallabhapur anicut on the right, both being oblique to the axis of the river. Due to the peculiar features of the anicut, the usual formulae for calculating overflow over the weir were not considered to be appropriate. To get at a correct and reliable assessment of the discharge at this site, the then Mysore, Madras and Hyderabad Governments, during the period 1935-36 and 1936-37, jointly conducted current meter observations* at Mutkur village, about 8 miles upstream of the anicuts, and correlated the anicut gauges with the gauges at Mutkur. Two independent discharge tables were established one for the gauge at the Vallabhapur anicut and the other for the Koregal anicut gauge by reference to the gauge calibration curve at Mutkur. The average between these two sets of discharges at any given time was taken as representing the discharge over the two anicuts. The discharges past these anicuts for the years for which gauge readings were available were derived from the jointly accepted table of discharges.

Since the construction of the Tungabhadra dam, the Vallabhapur-Koregal anicuts have been submerged and the discharge at the dam site is calculated from the inflow into the reservoir, based on capacity table, and the outflow through various sluices in the dam.

B. Monthly data only are available for the period from June 1931 to May 1941.

Daily data are available for the period from February 1950 to May 1961,

^{*} The current meter observations were made from platforms constructed on coracles (8 feet to 11 feet diameter and suitably placed so as not to interfere with free flow of water). The current meters were cable-suspended, with fishweights of 30 lbs.

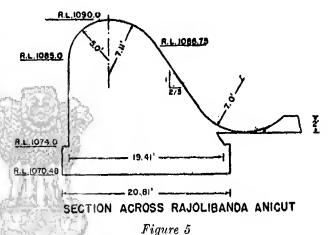
except for the data relating to the ten-day periods from April 1-10 to June 21-30, 1953. For these periods, the mean discharge has been taken as equal to the respective average for the remaining ten years ending May 1961. With this assumption, averages have been worked out separately for 10 and 11 years.

(52) Tungabhadra at Rajolibanda (Mysore):

A. The discharge at this site is the sum total of the quantity let down through various sluices and the flow over the anicut, calculated by the formula $Q=3.5LH^{-3/2}$

The section of the weir is shown in *Figure 5* opposite. The conditions of flows over the weir are always free-fall.

B. Data are available only from July 1960 to May 1961. No averages have been worked out.



(53) Tungabhadra at Sunkesala (Andhra Pradesh):

A. Daily discharge is the sum of the discharges over the anicut and through the under-sluices and the headsluices corresponding to the gauge reading recorded.

The discharge over the anicut is the sum of discharges passing over the two sections of the anicut. The south anicut is zigzag while the north anicut is more or less straight and both the anicuts are oblique to the current. The total blique lengths of the south and north anicuts are 3,986 feet (at a crest level of R.L. 944.81) and 319 feet (at a crest level of R.L. 947.81) respectively.

Prior to April 1916, the discharge over the anicut was calculated by the formula Q=3.1 $LH^{3/2}$ (L being the oblique length), neglecting the velocity of approach.

From April 1916 to March 1920, the formula used was

$$Q=3.1L[(H+ha)^{3/2}-ha^{3/2}]$$

wherein ha was obtained from the equation

$$3.1L[(H+{}^{h}a)^{3/2} - {}^{h}a^{3/2}] = L(D+H) Va;$$

the value of D, or mean depth of the river below the crest level of anicut was taken as 4.4 feet and 4.2 feet for the south and north anicuts respectively. L was taken as the oblique length of the anicut.

For the year 1920-21, the value of D in the above equation was taken as 2.39 feet for both the anicuts, and from 1921 to March 1936, the value of D was taken as 2.4 feet. From 1920, the value of L was taken as 2,130 feet and 900 feet for the south and north branches respectively, equal to their lengths perpendicular to the axis of the river.

Since April 1936, the discharges over the anicut are computed from a table of discharges, prepared from calibration curves based on the 1936-37 current meter gaugings** conducted jointly by the then Madras, Mysore and Hyderabad Governments*

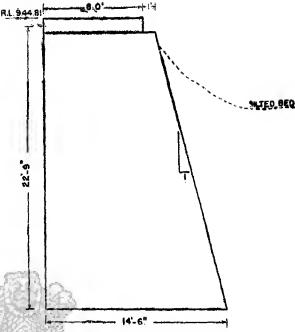
The draw-offs through the sluices were computed from the table of discharges based on the inter-state gaugings of 1935-36; current meter gaugings were again conducted in 1956-57 to 1958-59 and a fresh table of discharges has been prepared and is being used from 1958-59.

^{**} The current meter observations were made at Bavapuram, 9 miles below Sunkesula anicut, from platforms constructed on coracles. The gauge at Bavapuram was calibrated and correlated to the upstream gauge at Sunkesula anicut.

^{*} Three feet high automatic falling shutters are being fixed over the crest of the anicut. At places where the shutters cannot be fitted, three feet high masonry walls are built; the total length of such walls is about 200 feet, the length of the anicut perpendicular to the axis of the river being 3,030 feet. It is reported that the upstream gauge will be recalibrated taking note of the afflux due to the masonry portion added over the crest of the anicut.

The reference gauge is in a well on the right upstream abutment of the anicut. The crosss-ection of the anicut is shown in Figure 6.

- B. Data are available for the period from June 1904 to May 1961. Based on the method of estimation, as stated below, the data have been deivided into three parts; from June 1904 to May 1936 from June 1936, to May 1952 and from June 1953 to May 1961 and averages have been worked out accordingly.
 - (i) The discharges for the period upto March 1936 SECT have been calculated on the basis of empirical formulae.



SECTION ACROSS SUNKESULA ANIGUT
Figure 6

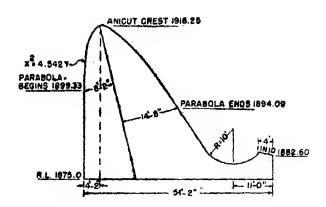
- (ii) The discharges for the period from April 1936 to May 1961 have been computed from gauge-discharge curves based on the joint gaugings of 1936-37.
- (iii) Since 1953, with the coming into operation of the Tungabhadra Dam the flow at Sunkesula is regulated flow.

(54) Tunga (Tungabhadra) at Tunga anicut (Mysore):

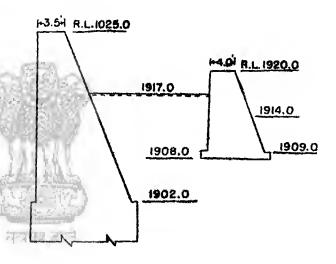
A. The discharges at Sacrebyle, a mile upstream of the present Tunga anieut, were based on current meter observations; no other particulars are available. Since the construction of the Tunga anicut, which has submerged the Sacrebyle site, the discharge at Tunga anicut is taken as the sum of the flow over the anicut and that passed through the sluices. The discharge over the anicut is calculated by taking the coefficient C as 4.12 for the Ogee portion and 3.1 for the broadcest red portion in the formula $Q = CLH^{3/2}$. The sections of the anicut are

shown in *Figure* 7. The conditions of flow over the anciut are free-flow.

- B. Data are available for the period from January 1946 to June 1955 and from July 1958 to May 1961, with the exception of figures for some ten-day periods which have been taken as equal to the respective average for those periods for the remaining years. With this assumption, averages have been worked out for ten years.
- (55) Bhadra (Tungabhadra) at Lakkavalli (Mysore):
 - A. Daily discharges ware computed on the basis of a gauge-discharge table-calibrated for this site; no particulas are available of the method of calibration. Since the construction of the Lakkavalli dam, the discharges are computed from



SECTION ACROSS TUNGA ANICUT- OGEE PORTION



SECTION ACROSS TUNGA ANIGUT (BROAD CRESTED PORTION)

Figure 7

the inflows into the reservoir, read from capacity table, corresponding to daily gauge readings.

- B. Data are available for the period June 1930 to May 1961, with the following exceptions:
 - (i) Data for the ten-day periods from March 1-10, to June 21-30,1959, from February 21-29 to June 21-30, 1960, and from January 1-10 to May 21-31, 1961, are not available, the flow being below zero of the gauge. An ad-hoc figure has been assumed for each ten-day period.

(ii) Data for the ten-day periods from April 1-10 to May 11-20, 1957, are not available and have been assumed on the basis of figures for earlier and later ten-day periods in the same year.

With the assumptions described above, averages have been worked out for 31 years, June 1930 to May 1961.

The river flow at Lakkavalli was regulated from the reservoir for the following periods:

- (i) 27th June 1958 to 28th February 1959.
- (ii) 30th June 1959 to 20th February 1960
- (iii) 5th July 1960 to 4th January 1961.
- (56) Bhadra (Tungabhadra) at Bhadra anicut (Mysore):
 - A. The recorded discharge is the sum of the flow over the anicut and the draw-offs through the sluices. The discharge over the weir is calculated by the formula $Q=3.1L\ [(H+h_a)^{3/2}-h_a^{3/2}]$ assuming the velocity of approach as 3 feet per second. Generally freefall conditions occur at the weir. The cross-section of the anicut is shown in Figure 8.
 - B. Irregular data are available for the period from May 1947 to September 1954. No averages have been worked out.
- (57) Varada (Tungabhadra) at Banavasi (Mysore).
 - A. Same as for (17 above.

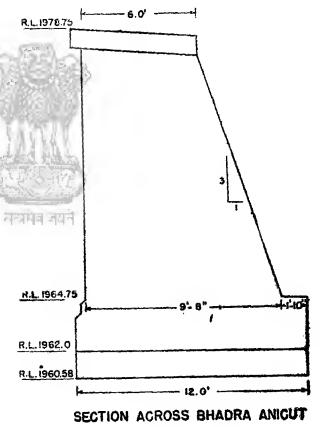
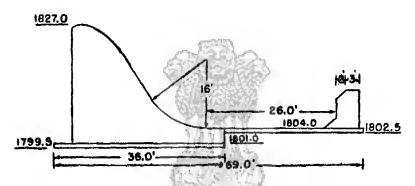


Figure 8.

B. Data for annual yield only are available from 1908 to 1925-26. Averages have been worked out for 18 years.

- (58) Hagari (Tungabhdra) at Vani Vilas Sagar (Mysore):
 - A. Same as for (33) above.
 - B. Data for only seasonal (January to June and July to December) yields are available from July 1913 to December 1960. Averages have been worked out for 47 years:
- (59) Hagari (Tungabhadra) at Naranapur Anicut (Mysore);
 - A. Daily discharges are computed from the weir discharges, calculated by the formula $Q=3.98\ LH^{3/2}$, and the draws-offs through the sluices. Generally, clear overfall conditions occur at the weir. The cross-section of the anicut is shown in Figure 9 below.



SECTION ACROSS NARANAPUR ANICUT

Figure 9.

- B. Data are available only for the period February, 1960 to May 1961. No averages have been worked out.
- (60) Hagari at Bhairavanithippa (Andhra Pradesh)
 - A. Same as for (33) above.
 - B. Data are available for the period from January 1957 to to May 1961, except for ten-day periods from November 1-10 to 21-30, 1958. The mean discharges for these ten-day periods have been taken as equal to the respective averages for the remaining three years. With this assumption, averages have been worked out for four years from June 1957 to May 1961.
- 61. Dindi at Gundlapalli Dam (Andhra Pardesh):

- A. Same as for (33) above.
- B. Data are available for the period from June 1958 to May 1961. Averages have been worked out for three years.
- (62) Palleru at Paleru (Andhra Pardesh):
 - A. Same as for (33) above.
 - B. Data are available for the period from June 1958 to May 1961. Averages have been worked out for three years.



River KRISHNA		Site	DHOM		Mo	nth JUNE
37		Mean dischar	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1906-07	Alter and a second					
07-08	Nil	200	438	213	0.013	0.6
08-09	Nil	42	62	35	0.002	0.1
09-10 , , .	Nil	150	1,056	402	0.024	1.0
10-11 . , .	Nil	Nil	1,870	623	0.037	1.6
1911-12	30	1,663	608	767	0.046	2.0
12-13	2	100	311	105	0.006	0.3
13-14	1,120	4,410	5,276	3,602	0.214	9.3
14-15	4	4	412	140	0.008	0.4
15-16	Nil	Nil	4,302	1,434	0.085	3.7
1916-17	Nil	300	1,576	625	0.037	1.6
17-18	6	326	1,629	654	0.039	1.7
18-19	93	25	98	072	0.004	0.2
19-20		3	Many Col a Name of			
20-21		নক	मेन जगन			
12 Years' Average	105	593	1,470	723	0.043	1.9
1921-22		•				
22-23	Nil	Nil	1,457	486	0.029	13
23-24 :	Nil	1	3	1	Nil	Nil
24-25	3	13	58	25	0.001	0.1
25-26	106	36	983	375	0.022	1.0
1926-27	1	1	1	1	Nil	NiI
5 Years' Average	22	10	500	178	0.011	0.5
17 Years' Average	80	422	1,185	562	0.033	1.5

River KRISHNA		Site	DHOM		Mon	th JULY
Year		Mean discl	harge (Cusecs)	1	Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M .C
1906-07						
07-08	206	105	6,698	2,477	0.152	6.6
08-09	3,685	7,375	6,124	5,741	0.353	15.4
09-10	2,796	7,456	6,241	5,521	0.339	14.8
10-11	7,573	1,547	662	3,177	0.195	8 5
1911-12	1,003	4,237	894	2,045	0.126	5.5
	1,098	3,684	15,660	7,100	0.437	19.0
	1,928	4,496	5,713	4,100	0 252	11.0
14-15	2,932	9,366	10,974	7,861	0.483	21.1
	4,014	594	6,106	3,653	0.225	9.8
1916-17	504 ,	634	1,608	938	0.058	2.5
17-18	1,396	834	2,399	1,571	0.097	4.2
18-19	671	120	274	352	0.022	0.9
19-20		110				
20-21		18" 1	व्ययम् स्थत			
12 Years' Average	2,317	3,371	5,279	3,711	0.228	9.9
1921-22						
22-23	2,853	1,401	5,434	3,301	0.203	8.8
23-24	258	3,985	5,053	3,161	0.194	8.5
24-25	177	1,789	2,836	1,640	0.101	4.4
25-26	786	4,007	2,201	2,327	0 143	6.2
1926-27	2,818	597	2,361	1,939	0.119	5.2
5 Years' Average	1,378	2,356	3,577	2,474	0.152	6.6
17 Years' Average	2,041	3,072	4,779	3,347	0.206	9.0

River KRISHNA		Site]	DHOM		Month	AUGUST
Year	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1906-07						
07-08	6,236	7,656	3,687	5,790	0.356	15.5
08-69	8,46 4	4,228	4,522	5,6 99	0.350	15.3
09-10 . , .	3,010	521	305	1,247	0.077	3.3
10-11	9,744	5,454	4,682	6,564	0.404	17,6
1911-12	4,403	2,277	2,324	2,706	0.166	7.2
12-13	7,459	3,778	1,475	4,148	0.255	11.1
13-14	4,287	870	1,268	2,113	0.130	5.7
14-15	10,791	2,092	3,668	5,457	0.336	14.6
15-16	6,848	1,393	1,539	3,204	0.197	8.6
1916-17	3,868	4,566	1,430	3,228	0.198	8.6
17-18	1,747	1,240	2,217	1,750	0.108	4.7
18-19	1,627	1,301	1,626	1,521	0.094	4.1
19-20		F (1)	ग्मेन नयन			
12 Years' Average	5,707	2,948	2,395	3,619	0.223	9.7.
1921-22 ·						
22-23	1,597	1,447	1,224	1,416	0.087	3.8
23-24	3,688	3,214	1,346	2,704	0.166	7.2
24-25	2,715	841	4,630	2,790	0.172	7.5
25-26	679	683	968	783	0.048	2.1
1926-27	3,764	4,029	1,261	2,961	0.182	0.8
5 Years' Average	2,489	2,043	1,886	2,131	0.131	5.7
17 Years' Average	4,760	2,682	2,245	3,181	0.196	8.1

River KRISHNA		Site	Month SEPTEMBER				
Year		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M.C	
1906-07							
07-08	2,661	1,977	1,445	2,027	0.121	5.3	
08-09	1,769	1,446	2,483	1,899	0.113	4.9	
09-10	720	396	294	470	0.028	1.2	
10-11	3,142	2,383	2,628	2,718	0.162	7.0	
1911-12	2,202	1,154	300	1,219	0.073	3.2	
12-13 . , .	1,655	452	177	761	0.045	2.0	
13-14 . , .	2,392	472	434	1,099	0.065	2.8	
14-15	792	3,435	1,501	1,910	0.114	5.0	
15-16 ,	2,145	1,303	2,144	1,864	0.111	4.8	
1916-17	718	1,530	899	1,049	0.062	2.7	
17-18 , .	2,393	719	597	1,236	0.074	3.2	
18-19	872	303	142	439	0.026	1.1	
19-20		100	Andrew Con a backer				
20-21		Party.	रमेन नयन			,	
12 Years' Average	1,788	1,298	1,087	1391	0.083	3.6	
1921-22							
22-23	829	796	466	697	0.041	1.8	
23.24	267	194	1,149	537	0.032	1.4	
24-25	1,481	476	289	749	0.045	1.9	
25-26	434	237	234	302	0.018	0.8	
1926-27	952	1,625	371	982	0.058	2.5	
5 Years' Average	793	666	502	653	0.039	1.7	
17 Years' Average	1,496	1,112	915	1,174	0 070	3.0	

River KRISHNA		Site	DHOM		Month	OCTOBER
Year	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C.
1906-07				12 22		
07-08	1,728	1,135	(500)	1,101	0.068	2.9
08-09	856	553	343	576	0.035	1.5
09-10 ,	223	139	82	146	0.009	0.4
10-11	4,760	1,512	752	2,290	0.141	6.1
1911-12	29	19	. 15	21	0.001	0.1
12-13	642	507	476	540	0.033	1.4
13-14	193	250	111	183	0.011	0.5
14-15	580	292	149	<i>334</i>	0.021	0.9
15-16	1,216	494	261	644	0.040	1.7
1916-17	371	244	34 2	320	0.020	0.9
17-18	838	353	320	498	0.031	1.3
18-19	43	32	in'	31	0.002	0.1
19-20		in Eq. (पेन नयन			
20-21						
12 Years' Average	957	461	280	557	0.034	1.5
1921-22						
22-23	126	98	55	92	0.006	0.2
23-24	99	48	29	58	0.004	0.2
24-25	249	167	90	166	0.010	0.4
25-26	143	81	21	80	0.005	0.2
1926-27	116	78	53	81	0.005	0.2
5 Years' Average	147	94	50	95	0.006	0.3
17 Years' Average	718	353	212	421	0.026	1.1

SERIAL No. 1

River KRISHNA		Site D	Month NOVEMBER				
	Mean discharge (Cusecs)				Volume of flow for the month		
Year (June to May)	1.10	11-20	21-30	W hole month	M. A. F.	T. M. C.	
1906-07							
07-08	(100)	(40)	10	(5θ)	(0.003)	(0.1)	
08-09	262	76	17	118	0.007	0.3	
09-10	60	33	20	37	0.002	0.1	
10-11	423	101	38	188	0.011	0.5	
1911-12	· 8	14	27 ₁ 17	13	0.001	Nil	
12-13	156	116	547	273	0.016	0.7	
33-14	85	60	44	63	0.004	0.2	
14-15	111	105	62	93	0.006	0.2	
15-16	118	25	127	90	0.005	0.2	
1916-17	456	216	141	271	0.016	0.7	
17-18	154	60	63	92	0.005	0.2	
18-19	12	18	8	13	0.001	Nıl	
19-20							
20-21		60	विव नयन				
12 Years' Average	162	72	91	108	0.006	0.3	
1921-22					0.045	0.7	
22-23	306	495	64	288	0.017	0.7 Nil	
23-24	17	9	6	11	0.001	0.1	
24-25	54	38	16	36	0.002	v.1 Nil	
25-26	13	16	9	13	0.001		
1926-27	37	32	19	29	0.002	0.1	
5 Years' Average	85	118	23	75	0.004	0.2	
17 Years' Average	140	86	71	99	0.006	0.2	

River KRISHNA		Site	DHOM		Month DE	CEMBER
Year		Mean disch	arge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21.31	Whole month	M. A. F.	T. M. C
1906-07						
07-08	11	360	10	10	0.001	Nil
08-09 ,	17	16	16	16	0.001	Nil
09-10	20	20	19	20	0.001	0.1
10-11	32	33	33	33	0.002	0.1
1911-12	17	11	7	12	0.001	Nil
12-13	128	74		78	0.005	0.2
13-14	30	24	19	24	0.001	0.1
14-15	45	36	30	35	0.002	0.1
15-16	23	17	14	18	0.001	Nil
1916-17	25	22	19	22	0.001	0.1
17-18	39	30	24	31	0.002	0.1
18-19	10	7.1	4	7	Nil	Nil
19-20		i i	100			
20-21		in a	प्रमेव नयन			
12 Years' Average	33	25	19	25	0.002	0.1
1921-22		,				
22-23	59	32	21	37	0.002	0.1
23-24	7	7	6	7	Nil	Nil
24-25	14	12	11	12	0.001	Nil
25-26	6	4	3	4	Nil	Nil
1926-27	13	10	9	11	0.001	Nil
5 Years' Average	20	13	10	14	0.001	Nil
17 Years' Average	29	21	17	22	0.001	0.1

River KRISHNA		Site	DHOM		Month	JANUARY
Year -		Mean discha		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	1
1906-07						
07-08	Nil	Nil	Nil	Nil	Nil	Nil
08-09	,,	,,	,,	,,	,,	**
09-10	وڊ	,,	,,	,,	,,	,
10-11	35	37	34	35	0.002	0 1
1911-12	6	6	5	6	Nil	Nil
12-13	27	24	ÎI.	20	0.001	0.1
13-14	5	5	42	5	Nil	Nil
14-15	Nil	Nil	Nil	Nil	,,	,,
15-16	,,	,,	•	,,	**	,,
1916-17	Nil	Nil	Nil	Nil	Nil	Nil
17-18	,,	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,	»,	,,
18-19 . , .	(7)	(7)	(5)	(6)	(,,)	(,,)
19-20	. ,	[0]			. ,	• • • • • • • • • • • • • • • • • • • •
20-21		ara ara	पेव अग्रन			
12 Years' Average	7	7	5	6	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	\overline{Nil}
1921-22*	12	9	9	10	0.001	Nil
22-23	Nil	Nil	Nil	Nil	Nil	,
23-24	6	6	5	6	,,	,,
24-25	10	8	7	8	,,	
25-26	2	2	2	2	,,	,,
1926-27	8	7	6	7	Nil	Nil
5 Years' Average	5	5	4	5	Nil	\overline{Nil}
17 Years' Average	6	6	5	6	Nil	Nil

^{*} Not considered for calculating the average.

River KRISHNA		$\mathcal{S}ite$	Month FEBRUARY			
Year		Mean disch	Volume of flow for the month			
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1906-07	·				<u> </u>	
07-08	Nit	Nil	Nil	Nil	Nil	Nil
08-09 :	199	3)	,,	,,	1,	,,
09-10	,,	,,	,,	23	,,	**
10-11	33	33	33	33	0.002	0.1
1911-12	4	4	3	4	Nil	Nil
12-13	6	7 -5	321	7	,,	,,
13-14	4	4	4.73	4	,,	,,
14-15	Nil	Nil	Nil	Nil	,,	2.5
15-16	,,	,,		,,	**	,,
1916-17	Nil	Nil	Nil	Nil	Nil	Nil
17-18	**	,, ,	d the	91	**	**
18-19	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20			Sec. 14.			
20-21		ন্ত্ৰ	येव जयन			
12 Years' Average	4	4	4	4	\overline{Nil}	Nil
1921-22*	9	8	8	8	Nil	Nil
22-23	Nil	Nil	Nil	Nil	,,	,,
23-24	5	5	5	5	39	**
24-25	7	6	6	6	,,	,,
25-26	2	2	2	2	,,	27
1926-27	6	6	6	6	Nil	Nil
5 Years' Average	4	4	4	4	Nil	Nil
17 Years' Average	4	4	4	4	Nil	Nil

^{*}Not considered for calculating the average.

River KRISHNA		Site	Month MARCH			
Year		Mean dische	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1906-07						
07-08 ,	Nil	Nil	Nil	Nil	Nil	Nil
08-09	,,	,,	,,	,,	,,	,,
09-10	,,	,,	,,	,,	••	,,
10-11	33	33	33	33	0.002	0.1
1911-12	2	2	2	2	Nil	Nil
12-13	6	5	5	2 5	,,	,,
13-14	3	3	Nil	2	7.9	**
14-15	Nil	Nil	33	Nil	,,	,,
15-16	,,	,,		,,	**	,,
1916-17	Nil	Nil	Nil	Nil	Nil	Nil
17-18	,,	23		**	,,	"
18-19	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20		100 100	No. O . See			
20-21		নক	मेन नयन			
12 Years' Average	4	4	4	4	\overline{Nil}	\overline{Nil}
1921-22*	7	8	7	7	Nil	Nil
22-23	Nil	Nil	Nil	Nil	,,	,,
23-24	4	4	4	4	,,	,,
24-25	6	5	5	5	,,	
25-26	2	2	2	2	,,	,,
1926-27	5	4	4	4	,,	**
5 Years' Average	3	3.	3	3	Nil	Nil
17 Years' Average	4	4	3	4	Nil	Nil

^{*} Not considered for calculating the average.

River KRISHNA		Site.	Month APRIL			
		Mean discha	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. O.
1906-07						4701
07-08	Nil	Nil	Nil	Nil	Nil	Nil
08-09	,,	,,	"	**	,,	"
09-10	,,	,,	,,	"	,,	,,
10-11	33	33	33	33	0.002	0.1
1911-12	2	3	2	2	Nil	Nil
12-13	4	4	3	4	,,	,,
13-14	1	2	2	2	,,	,,
14-15	Nil	Nil	Nil	Nil	**	,,
15-16	,,	,, back	,,	**	**	**
1916-17	Nil	Nil	Nil	Nil	Nil	Nil
17-18	••	,, <u>, , , , , , , , , , , , , , , , , ,</u>		,,	,,	**
18-19	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20		100	Mary St. and St.			
20-21		নক	मेन नयन			
12 Years' Average	4	4	4	4	Nil	$-\frac{Nil}{-}$
1921-22*	7	7	6	6	Nil	Nil
22-23	Nil	Nil	Nil	Nil	,,	99
23-24	5	4	3	4	,,	**
24-25	Nil	1	4	2	"	,,
25 -26	2	1	1	1	**	**
1926-27	4	3	3	3	Nil	Nil
5 Years' Average	2	2	2	2	Nil	Nil
17 Years' Average	3	3	3	3	Nil	Nil

^{*} Not considered for calculating the average.

SERIAL No. 1

River KRISHNA

Site DHOM

Month MAY

Year (June to May)		Mean discha	$egin{aligned} Volume & of flow for \\ the & month \end{aligned}$			
	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C
1906-07						
07-08	Nil	Nil	Nil	Nil	Nil	Nil
08-09	,,	,,	,,	,,	,,	**
09-10	,,	,,	,,	**	,,	,,
10-11	33	34	34	34	0.002	0.1
1911-12	2	2	2	2	Nil	Nil
12-13	3	2	2	3	,,	,,
13-14	2	2		2	,,	,,
14-15	Nil	Nil	Nil	Nil	,,	,,
15-16	,,	,, ¹⁰	,,	**	,,	,,
1916-17	Nil	Nil	Nil	Nil	Nil	Nil
17-18	,,	, pt.		,,	,,	,,
18-19	(4)	(4)	(4)	(4)	(,,)	(,,)
19-20		10 00	May to a suite			·
20-21		8-18-	ापेन नयन			
12 Years' Average	4	4	4	4	\overline{Nil}	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
1921-22*	6	8	17	11	0.001	Nil
22-23	5	5	5	5	Nil	,,
23-24	3	3	3	3	,,	,,
24-25	4	3	3	3	,,	,,
2 5-26	1	1	1	1	,,	,,
1926-27	(3)	(3)	(3)	(3)	Nil	Nil
5 Years' Average	3	3	3	3	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil
17 Years' Average	4	3	3	4	Nil	Nil

^{*} Not considered for calculating the average.

River KRISHNA		Site K	HODSHI		Mon	th JUNE
Year		Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-30	$Whole \ month$	M.A.F.	T. M. C.
1948-49	112	459	65	212	0.013	0.5
49-50	258	154	515	309	0.018	8.0
50-51*	949	Nil	9	320	0.019	0.8
1951-52	106.	140	3,337	1,194	0.071	3.1
52-53	3,183	1,285	10,049	4,839	0.288	12.5
53-54	24	570	8,388	2,994	0.178	7.8
54-55	881	127	534	514	0.031	1.3
55-56	1,612	194	4,430	2,078	0.124	5.4
1956-57	222	208	1,843	758	0.045	2.0
57-58	248	162	3,941	1,450	0.086	3.8
5 8-59	67	549	1,583	733	0.044	1.9
59-60	141	740	3,395	1,425	0.085	3.7
60-61	485	200	4,495	1,727	0.103	4.5
12 Years' Average	612	399	3,548	1,519	0.090	3.9

^{*} Not considered for calculating the average.

River KRISHNA		Site K	HODSHI		Mon	th JULY	
v		Mean dischar	ge (Cusecs)		Volume of	Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C	
1948-49	1,380	2,145	10,208	6,141	0.378	16.4	
49-50	459	14,256	3,559	6,009	0.369	16.1	
50-51*	243	19,496	7,265	8,946	0.550	24.0	
1951-52	070	206	8,249	3,082	0.190	8.3	
52-53	273 960	4,77 <u>4</u>	24,916	10,688	0.657	28.6	
53-54	18,066	6,691	2,118	8,737	0.537	23.4	
54-55	7,356	24,317	2,553	11,123	0.684	29.8	
55-56	9,596	3,582	4,395	5,810	0.357	15.6	
		ন্ত্ৰ	षेष मधन				
1956-57	19,932	16,130	9,510	15,008	0.923	40.2	
57-58	5,166	18,899	7,190	10,314	0.634	27.6	
58-59	5,659	33,036	10,290	16,134	0.992	43.2	
59- 60	27,570	14,777	26,618	23,105	1.421	61.9	
6 0-61	20,968	2,941	11,952	11,953	0.735	32.0	
12 Years' Average	9,782	11,813	10,130	10,675	0.656	28.6	

^{*} Not considered for calculating the average.

River KRISHNA		Site	KHODSHI		Month	AUGUST
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T, M, C.
1948-49	2,879	15,224	4,919	7,585	0.466	20.3
49-50	13,982	6,826	9,394	10,045	0.618	26.9
50-51*	N,A,	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	11,085	5,574	2,337-	6,203	0.381	16.6
52-53	18,588	6,598	4,954	9,882	0.608	26.5
53-54	16,755	17,994	6,120	13,381	0.823	35.8
54-55	14,735	8,892	945	7,957	0.489	21.3
55-56	5,500	8,110	8,970	7,573	0.466	20.3
		F .	प्रमेव नयन			
1956-57	26,520	12,568	7,756	15,361	0.945	41.1
57-58	7,645	7,285	9,924	8,338	0.513	22.3
58-59	2,867	6,308	10,054	6,527	0.401	17.5
59-60	14,944	4,894	9,081	9,622	0.592	25.8
60-61	21,464	13,805	5,995	13,504	0.830	36.2
12 Years' Average	13,080	9,506	6,704	9,665	0.594	25.9

^{*} Not considered for calculating the average.

River KRISHNA		Site KH	ODSHI		Month SEP	TEMBER
Year -	Mean discharge (Cusecs)				Volume of the mon	
(June to May)	1-10	11-20	21-30	$W\ hole\ month$	M. A. F.	T. M. C.
1948-49	2,079	222	2,838	1,713	0.102	4.4
49-50	3,470	1,335	7,499	4,101	0.244	10.6
50-51*	N.A.	N.A.	N.A.	N.A.	N.A.	NA.
1951-52	310	679	2,026	1,005	0.060	2.6
52-53	848	229	287	454	0.027	1.2
53-54	1,321	2,810	868	1,666	0.099	4.3
54-55	6,595	3,711	1,128	3,811	0 227	9.9
55-56	14,238	2,784	10,971	9,331	0.555	24.2
		ন্বয়	व स्थत			
1956-57	3,160	2,516	2,512	2,726	0.162	7.1
57-58	1,986	5,643	994	2,875	0.171	7.5
58-59	10,996	4,951	419	5,456	0.325	14.1
59-60	16,950	4,370	5,794	9,038	0.538	23.4
60-61	6,145	5,488	9,957	7,197	0.428	18.7
12 Years' Average	5,675	2,895	3,774	4,114	0.245	10.7

^{*} Not considered for calculating the average.

River KRISHNA		Site KH	Month OCTOBER			
		Mean discharge	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1948-49	646	1,329	1,219	1,070	0.066	2 9
49-50	1,229	675	531	802	0.049	2.1
50-51*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	3,018	417	418	1,257	0.077	3.4
52-53	1,975	2,125	920	1,649	0.101	4.4
53-54	1,429	1,172	1,150	1,247	0.077	3.3
54-55	918	1.062	489	812	0.050	2.2
55-56	17,158	4,671	7,374	9,658	0.594	25.9
1956-57	10,711	न्याप् 4,741	- 무리구 1,108	5,378	0.331	14.4
57-58	646	199	8,473	3,279	0.202	8.8
5 8- 59	1,544	795	154	809	0.050	2.2
59-60	1,895	1,497	1,004	1,451	0.089	3.9
60-61	3,018	1,324	704	1,650	0.101	4.4
12 Years' Average	3,682	1;667	1,962	2.422	0.149	6.5

^{*} Not considered for calculating the average.

River KRISHNA		Sue Khodsiii		VEMBER		
	A	Iean discharg	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1947-48*	N.A.	194	215	208	0.012	0.5
48-49	3,289	1,702	5,744	3,578	0.213	9.3
49-50	265	226	287	259	0.015	0.7
50-51*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	113	78	237	142	0 008	0.4
52-53	250	229	185	221	0.013	0.6
53-54	310	421	377	370	0.022	1.0
54-55	291	225	-1/131	216	0.013	0.6
55-56	2,626	174	157	986	0.059	2.6
1956-57	1,814	693	1,348	1,285	0.076	3.3
57-58	1,151	23,985	954	8,697	0.518	22.5
58-59	111	112	511	245	0.015	0.6
59-60	806	4,493	1,322	2,207	0.131	5.7
60-61	624	1,053	613	763	0.045	2.0
12 Years' Average	971	2,782	989	1 ,581	0.094	4.1

^{*} Not considered for calculating the average.

River KRISHNA		Site K	HODSHI		Month DE	CEMBER	
	Mean discharge (C		ge (Cuse cs)		Volume of flow for the month		
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M.A.F,	T. M. C.	
1947-48*	251	158	181	196	0.012	0.5	
48-49	1,087	264	386	573	0.035	1.5	
49-50	137	105	79	106	0.007	0.3	
50-51* ;	N.A.	N.A.	N.A.	N,A,	N.A.	N.A.	
1951-52	120	122	~91 ₃ ,	110	0.007	0.3	
52-53	83	114	76	91	0.006	0.2	
53 - 54	288	399	26	230	0.014	0.6	
54- 55	193	376	219	261	0.016	0.7	
55-56	110	166	165	147	0.009	0.4	
		वदार	व नयन				
1956-57	393	123	158	222	0.014	0.6	
57-58	681	336	132	375	0.023	1.0	
58-59	180	103	252	181	0.011	0.5	
59-60	533	602	547	560	0.034	1.5	
60-61	986	749	420	709	0.044	1.9	
12 Years' Average	399	288	213	297	0.018	0.8	

^{*} Not considered for calculating the average.

River KRISHNA		Site K	Month JANUARY			
Year		Mean discharg	Volume of the me	of flow for		
(June to May)	1-10	11-20	21-31	$m{W}$ hole $m{m}$ ont $m{h}$	M: A. F.	T. M. C.
1947-48*	189	119	119	141	0.009	0.4
48-49	278	140	140	185	0.011	0.5
49-50	89	82	90	87	0.005	0.2
50-51*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	64	47	43	49	0.003	0.1
52-53	64	300	77	145	0.009	0.4
53-54	Nil	757	434	572	0.035	1.5
54-55	211	224	107	178	0.011	0.5
55-56	165	239	140	180	0.011	0.5
			पंच मयन			
1956-57	124	2 59	182	188	0.012	0.5
57-58	140	190	140	156	0.010	0.4
58-59	106	109	114	110	0.007	0.3
59-60	215	243	200	219	0.013	0.6
60-61	225	436	132	260	0.016	0.7
12 Years' Average	140	252	150	194	0.012	0.5

^{*} Not considered for calculating the average.

River KRISHNA			HODSHI		Month F	EBRUARY
Year -		Mean discha		Volume of flow for the month		
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C
1947-48*	106	108	185	134	0.008	0.3
48-49	Nil	106	140	78	0.004	0.2
49-50	436	50	1,291	553	0.031	1.3
50-51*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-5 2	35	30	27	31	0.002	0.1
52-53	42	35	34	37	0.002	0.1
53-54	Nil	53	578	184	0.010	0.4
54-55	123	121	264	166	0.009	0.4
55-56	167	165	194	175	0.010	0.4
		নকা	पेन जयन			
1956-57	140	214	233	193	0.011	0.5
5 7- 58	127	187	229	178	0.010	0.4
5°-59	107	101	97	102	0.006	0.2
59-60	194	215	413	269	0.015	0.7
60-61	122	163	246	172	0.010	0.4
12 Years' Average	124	125	312	178	0.010	0.4

^{*} Not considered for calculating the average.

SERIAL No. 2

Month MARCH RiverKRISHNA Site KHODSHI Volume of flow for Mean discharge (Cusces) the month Y_{ear} Whole(June to May) 1-10 11-20 21-31 T, M, CM, A. F. month 1947-48* . 0.290 73 77 0.00570 48-49 0.2 60 50 155 910.00649-50 2.4 0.054816 1,340 518 879 50-51*. 0.1 47 0.003 48 48 45 1951-52 3139 0.1 40 37 0.00252 - 5329 25 26 0.1 0.00227 53-54 64 235 337 216 0.0130.6 54 - 55133 50 46 75 0.005 0.2 55-56194 वस्त्रम् 194 194 194 0.012 0.5 1956-57 264 111 96 155 0.010 0.457-58 132 175 193 168 0.010 04 58-59 96 114 169 1280.0080.359-60 414 150 133 2230.014 0.6 60-61 160 118 159 146 0.0090.412 Years' Average 199 217 172 195 0.0120.5

^{*} Not considered for calculating the average.

SERIAL No. 2

River KRISHNA		Site KI	HODSHI		Month	
Year	Mean discharge (Cusces)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C
1947-48*	130	87	181	133	0.008	0.3
48-49	253	43	103	133	0.008	0.3
49-50	961	994	27	661	0.039	1.7
50-51*	45	59	52	51	0.003	0.1
1951-52	19	18	43	2~	0.002	0.1
52 ·53	32	802	375	403	0.024	1.0
53-54	173	117	1,44	145	0.009	0.4
54-55	44	3 6	449	176	0.010	0 5
55-56	2,335	194	194	908	0.054	2.4
			된 취임취 458	216	0.013	0.6
1956-57	86 186	104 194	196	192	0.011	0.5
57-58	101	97	155	118	0.007	0.3
59 60	130	202	636	323	0.019	0.8
60-61	99	158	160	139	0.008	0.4
12 Years' Average	368	247	245	287	0.017	0.8

Not considered for calculating the average.

River KRISHNA		Site KHO		Month MAY			
Year	Mean discharge (Cusces)				Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M, A. F.	T. M. C	
1947-48*	99	55	60	71	0.004	0.2	
48-49	81	334	794	389	0.024	1.0	
4 9 -50	53	38	1,402	527	0.032	1.4	
50-51* ,	60	46	56	54	0.003	0.1	
1951-52 ,	53	21	98	59	0.004	0.2	
52-53	132	57	38	74	0.005	0.2	
53-54	950	436	181	511	0.031	1.4	
54-55	100	69	322	169	0.010	0.5	
55-56	194	139	1,038	476	0.029	1.3	
1956-57	311	70	1,108	516	0.032	1.4	
57-5 8	1,631	309	916	951	0.058	2.5	
58 -59	599	422	1,794	966	0.059	2 6	
5 9-60	5 6 5	1,097	530	724	0.045	1.9	
60-61	222	534	9,862	3,743	0.230	10.0	
12 Years' Average	408	294	1,507	759	0.047	2.0	

^{*} Not considered for calculating the average.

SERIAL No. 3

River KRISHNA		Site	KARAD		M_{O}	nth JUNE
V		Mean disch	arge (Cusecs)			of flow for
Year (June to May)	1- 10	11-20	21-30	Whole	the mo	onth
(**************************************	1 10	11-20	21-00	month	M.A.F.	T. M. 6
1951-52	201	2 ,162	24,112	8.825	0 .525	22.9
52-53	2,323	775	9,665	4,254	0.253	11.0
53-54	1	1,459	33,457	11,639	0.693	30.2
54-55	2,657	1,952	3,486	2,698	0.161	7.0
55-56	229	84	17,410	5,908	0.352	15.3
1956-57	2,380	15,807	179,283	65,823	3.917	170.6
6 Years' Average	1,298	3,706	44,569	16,524	0.983	42.8

Month JULY

	Mean disch		Volume of flow for		
1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
7,580	7,308	48,091	21,867	1.345	58.6
8,260	27,748	102,023	47,817	2.940	128.1
77,726	53, 079	32,076	53,577	3.294	143.5
43,829	52,844	28,581	40,532	2.492	108.6
38,172	24,757	24,832	29,111	1.790	78.0
72,261	58,92 8	43 ,58 3	57,245	3.520	153.3
41,305	37,444	46,531	41,692	2.564	111.7
	7,580 8,260 77,726 43,829 38,172 72,261	7,580 7,308 8,260 27,748 77,726 53,079 43,829 52,844 38,172 24,757 72,261 58,928	1-10 11-20 21-31 7,580 7,308 48,091 8,260 27,748 102,023 77,726 53,079 32,076 43,829 52,844 28,581 38,172 24,757 24,832 72,261 58,928 43,583	7,580 7,308 48,091 21,867 8,260 27,748 102,023 47,817 77,726 53,079 32,076 53,577 43,829 52,844 28,581 40,532 38,172 24,757 24,832 29,111 72,261 58,928 43,583 57,245	1-10 11-20 21-31 Whole month the month 7,580 7,308 48,091 21,867 1.345 8,260 27,748 102,023 47,817 2.940 77,726 53,079 32,076 53,577 3.294 43,829 52,844 28,581 40,532 2.492 38,172 24,757 24,832 29,111 1.790 72,261 58,928 43,583 57,245 3.520

SERIAL No., 3

River	KRISHNA
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Site KARAD

Month AUGUST

Year		Mean dischar	ge (Cusecs)	,	Volume of flow for the month	
(June to May)	1-10	11,-20	21-31	$egin{array}{c} oldsymbol{W} hole \ oldsymbol{m} onth \end{array}$	M, A , F .	T. M. C.
1950-51*	31,229	22,946	8,156	20,370	1.253	54.6
1951-52	31,318	21,169	12,750	21,465	1.320	57.5
52-53	70,365	31,465	23,478	41,179	2.532	110.3
53-54	71,572	67,480	13,986	49,818	3.063	133.4
54-55	82,079	34,975	15,398	43,223	2.658	115.8
55-56	27,714	40,918	44,455	37,913	2.331	101.5
1956-57	71,075	44,157	16,300	38,790	2.385	103.9
6 Years' Average	59,020	40,027	21,061	38,731	2.382	103.7

Month SEPTEMBER

Year		Mean discha	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	
1950-51*	20,301	14,286	11,645	15,411	0.917	39.9
1951-52	5,435	5,179	2,781	4,465	0.266	11.6
52-53	7,134	2,751	2,428	4,104	0.244	10.6
53-54	7,993	12,570	4 550	8,371	0.498	21.7
54-55	31,053	21,987	15,143	22,728	1.352	58 9
55-56	57,810	12,679	16,397	28,962	1.723	75.1
1956-57 ,	13,028	8,467	9,825	10,440	0 621	27.1
6 Years' Average	20,409	10,606	8,521	13,178	0.784	34.2

^{*} Not considered for calculating the average.

SERIAL No 3

River KRISHNA		Site	KARAD		Month (OCTOBER
£P		Mean discha	rge (Cusecs)		Volume o	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T.~M.~C.
1950-51*	10,193	12,110	4,228	8,694	0.535	23.3
1951-52	3,822	3,766	2,228	3,238	0.199	8.7
52-53	4,538	1,341	305	2,005	0.123	5.4
5 3-54 ,	7,880	5,593	4,437	5,921	0.364	15.9
54-55	15,477	6,377	3,755	8,382	0.515	22.5
5 5-5 6	27,691	8,671	10,738	15,135	0.931	40.5
1956-57	19,015	8,541	3,570	10,156	0.624	27.2
6 Years' Average	13,070	5,715	4,172	7,473	0.459	20.0

Month NOVEMBER

		Mean dischar	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1950-51*	2,219	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	522	373	422	439	0.026	1.1
52-53	22	68	61	51	0:003	0.1
53-54	1,645	6 6	40	584	0.035	1.5
54-55	1,184	272	218	<i>558</i>	0.033	1.4
55-56	6,544	1,773	922	3,080	0.183	8.0
1956-57	4,568	2,331	2,213	3,037	0 181	7.9
6 Years' Average	2,414	814	646	1,292	0.077	3.3

^{*} Not considered for calculating the average.

SERIAL No. 3

River KRISHNA		Site]	KARAD		Month DE	CEMBER
	A	Ie a n discharç	ge (Cusecs)		Volume o	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1950-51* . , .	407	272	184	284	0.017	0.8
1951-52 ,	239	129	93	152	0.009	0.4
52-53	50	49	47	48	0.003	0.1
53-54	142	244	121	167	0.010	0.4
84-55	215	67	43	106	0.007	0.3
55-56	3,933	1,819	1,581	2,417	6.149	6.5
1956-57	754	3 51	185	422	0.026	1.1
6 Years' Average	889	443	345	552	0.034	1.5

Month JANUARY

Year -	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C
1950-51*	139	115	90	114	0.007	0.3
1951-52	59	45	34	46	0 003	0.1
52- 53	29	24	16	23	0.001	0.1
53-54	128	139	132	133	0.008	0.4
54-55	27	34	69	44	0.003	0.1
55-56	3,174	3,429	1,317	2,597	6.160	7.0
1956-57	(683)	(734)	(314)	(569)	(0.035)	(1.5)
6 Years' Average	683	734	314	569	0.035	1.5

^{*} Not considered for calculating the average.

SERIAL No. 3

River KRISHNA		Site	KARAD		Month FF	BRUARY
Year -		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.
1980-51*	N.A.	N'A.	N.A.	N.A.	N A.	N A
1951-52	19	11	8	13	0.601	Nil
52 -53	12	9	6	g	Nil	
53-54 , , ,	121	115	112	116	0.006	0.3
54-55	66	28	45	46	0.003	0.1
55-56	1,305	1,039	1,305	1,213	0.070	3.0
1956-57	859	944	854	888	0.049	2 1
6 Years' Average	397	358	388	381	0.021	0.9
		Montl	MARCH			
Year -			arge (Cusecs)		Volume of flow for the month	
(Fund to May)	1-10	11-20	21-31	Whole month		T. M. C
1950-51*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1951-52	7	4	2	4	Nil	Nil
52-53	3	3	3	3	,,	
53-54	95	86	126	103	0 006	0.3
54- 55	60	42	42	48	0.003	0.1

1,132

711

335

55-56 , . .

1956-57 . . .

6 Years' Average

787

991

325

950

910

336

0.058

0.056

0.021

2.5

24

0.9

947

1,019

350

^{*} Not considered for calculating the average.

SERIAL No. 3

River KRISHNA		Site	Month APRIL			
	,	Mean dischar		Volume of flow for		
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1950-51*	13	11	13	13	0.001	Nil
1951-52	1	1	1	1	Nil	Nil
52-53	13	48	30	30	0.002	0.1
53-54	120	74	30	75	0.004	0.2
54-55	28	17	194	79	0.005	0.2
55-56	465	6,376	1,398	2,746	0.163	7.1
1956-57	(125)	(1,303)	(331)	(586)	(0.035)	(1.5)
6 Years' Average	125	1,303	331	586	0.035	1.5

Month MAY

ν		Mean discha	rge (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10	11- 20 ==	1 21-31	Whole month	M. A. F.	T. M. C
1950-51*	8	4	23	12	0.001	Nil
1951-52	1	1	12	5	Nil	Nil
52-53	11	2	1	5	,,	,,
53-54	63	87	35	61	0.002	0.2
5 4-55	102	42	268	141	0.009	0.4
55-56	656	317	7,112	2,838	0.175	7.6
1956-57	(167)	(90)	(1,486)	(610)	(8.038)	(1.6)
6 Years' Average	167	90	1,486	610	0.038	1.6

^{*} Not considered for calculating the average.

River	KRISHNA		Sit	e CHITAPU	J R	Yea	r 1958-59
7	Months		Mean disc	harge (Cusecs)	Volume of the mo	of flow for
1	1 0111118	1-10	11-20	21-End	Whole month	M.A.F.	T. M. C.
June		24,025	25,702	34,932	28,220	1.679	73.1
July		120,767	275,964	234,605	211,225	12.988	565.7
Aug.		73,737	78,376	104,489	86,146	5.297	230.7
Sept.		115,244	59,064	45,259	73,1 89	4.355	189.7
Oct.		48,306	38,172	10,757	31,713	1.950	84.9
Nov.		6,418	6,418	6,418	6,418	0.382	16.6
Dec.		6,418	6,418	6,418	6,418	0.395	17.2
Jan.		5,293	5,082	3,234	4,494	0.276	12.0
Feb.		1,621	1,142	675	1,180	0.066	2.9
Mar.		596	535	465	530	0.033	1.4
Apr.		268	831	2,431	1,177	0.070	3.1
May		1,649	635	3,405	1,945	0.120	5.2
Volur (June	ne to Nov.)					26.651	1,160.7
Volur (Dec.	ne to May)					0.960	41.8
Annu	al Volume					27.611	1,202.5

River KRISH	NA	Site	DEOSUGUE	t	$Ye \epsilon$	ur 1958-59
Months		Mean disc	harge (Cusecs)		Volume	of flow for
14 Onins	1-10	11-20	21-End	Whole month	M.A.F.	T M. C
June						
July	157,688	415,450	396,827	325,693	20.026	872.3
Aug	142,508	145,268	232,065	175,176	10.771	469.2
Sept	231,473	133,412	89,145	151,343	9.006	392.3
Oct	75,288	82,113	65,575	74,043	4.553	198.3
Nov	54,166	40,838	36,269	43,758	2.604	113.4
Dec	36,241	34,4 53	32,739	34,421	2.116	92.2
Jan	32,517	32,141	31,329	31,974	1.966	85.6
Feb	30,409	29,891	29,255	29,894	1.660	72.3
Mar	23,073	23,697	25,835	24,254	1.491	65.0
Apr	25,305	24,435	28,200	25,980	1.546	67.3
Мау	29,075	25,242	29,234	27,895	1.715	74.7
June. 1959	43,609					
Volume (July to Nov.)					46.960	2,045.5
Volume (Dec. to May)					10.494	457.1
Volume (July 1958 to May 1959)					57.454	2,502.6

SERIAL No. 6

River KRISHNA		Site SID	Month JUNI			
V		Mean dischar	rge (Cusecs)			of flow for
$Year \ (June\ to\ May)$	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.
1948-49	(22,026)	16,400	30,150	22,859	1.360	59.3
49-50	8,255	10,910	31,700	16,955	1.009	43.9
50-51	29,970	18,870	12,690	20,510	1.220	53.2
1951 52	19,640	26,404	96,066	57,560	3.425	149 2
52-53	30,246	43,005	20,500	31,248	1.859	81.0
53-54* ,	175	3,373	69,758	24,435	1.454	63.3
5 Years' Average	22,026	23,118	38,221	29,826	1.775	77.3

Month JULY

Year		Mean discha				f flow for
(June to May)	1-10	11-20	11-20 21-31 Whole month		$\begin{array}{ c c c }\hline & the & me\\\hline M. A. F. \end{array}$	T. M. C.
1948-49	. 44,000	62,250	193 727	103,016	6.334	275.9
49-50	. 17,000	123,300	143,327	105,794	6.505	283.4
50-51	9,510	27,540	(74,870)	38,518	2.368	103.2
1951-52	92,931	65,550	252,050	140,755	8.655	377.0
52-53	. 71,570	5 7,155	270,427	137,482	8.453	368.2
53·54*	. 301,250	301,440	144,382	245,648	15.104	657.9
5 Years' Averag	ge 53,002	67,159	186,880	105,113	6.463	281.5

^{*}Not considered for calculating the average.

SERIAL No. 6

River KRISHNA		Site SII	DDESWAR	AM	Month	AUGUST
Year		Mean discha	Volume of the me	of flow for		
(June to May)	I-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1948-49	150,500	258,889	271,833	250,706	15 415	671.5
49-50	205,800	148,200	85,727	144,613	8.892	387.3
50-51	122,200	212,790	93,600	173,456	10.665	464.6
1951-52	192,142	234,837	115,494	174,801	10.748	468.2
52-53	364,990	223,130	202,045	261,41Ò	16.073	700.2
53-54*	231,750	N.A.	N.A.	N,A	N.A.	N.A.
5 Years' Average	207,126	215,569	153,740	200,997	12.359	538.4

Month SEPTEMBER

Year		Mean dischar	ge (Cusecs)		Volume of flow for	
(June to May)	1-10 11-20 21-30		Whole month	$\begin{array}{ c c c c }\hline & the \ month \\\hline M.\ A.\ F. & T.\ M. \end{array}$		
1948-49	84,417	61,750	169,400	108,385	6.449	280.9
49-50	103,340	82,000	(75, 000)	86,780	5.164	224.9
50-51	117,730	282,750	139,750	190,158	11.315	492.9
1951-52	107 418	(84,105	60,793	84,105	5.005	218.0
52-53	93,290	43,440	40,070	58,935	3.507	152.8
5 Years' Average	101,239	110,809	97,003	105,672	6.288	273 9

^{*}Not considered for calculating the average.

SERIAL No. 6

			1		Mean dischar	Volume o			
Ye (June to		(ay)		1-10	11-20	21-31	Whole month	the mo	1
1948-49	•		1	06,100	86,300	43,636	77,548	4.768	207.7
49-50			(70,000)	64,400	106,545	81,161	4 990	217.4
50-51			1	37,750	219,620	90,055	147,235	9.053	394.4
1951-52			((30,371)	59,950	44,358	54,553	3.354	146.1
52-53				87,290	121,730	60,182	88,781	5.459	237.8
5 Years'	Α̈́ν	erac	-	92,302	110,400	68,955	89,856	5.525	240.7

Month NOVEMBER

Year	-	Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	$Whole\ month$	M.AF.	T. M. C.
1948-49	35,240	52,030	111,300	66,190	3.939	171.6
49-50	27,500	15,600	8,460	17,187	1.023	44.5
50-51	42,026	28,050	16,170	28,749	1.711	74.5
1951-52	23,517	26,686	9,091	19,765	1.176	51.2
5 2-53	18,800	10,770	6,350	11,973	0.712	31.0
5 Years' Average	29,417	26,627	30,274	28,773	1.712	74.6

SERIAL No. 6

River. KRISHNA		Site SIDD	Month DECEMBER			
Year	1	Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1948-49	42,970	23,630	14,664	26,687	1.641	71.5
49-50	6,200	3,500	3,636	4,419	0.272	11.8
50-51	19,360	7,150	4,818	10,261	0.631	27.5
1951-52	12,851	6,138	2,647	7,065	0.344	18.9
52-53	5,025	6,135	4,177	5,082	0.312	13.6
5 Years' Average	17,281	9,311	5,988	10,703	0.658	28.7

Month JANUARY

Year -			Mean discharge (Cusecs)					
(June to May)	1-10	11-20	21-31	Whole month	the mont	T.M.C		
1948-49	9,470	8,059	6,678	8,024	0.493	21.5		
4 9 - 50	3,000	3,030	2,636	2,881	0.177	7.7		
50-51	3,080	2,850	2,650	2,912	0.179	7.8		
1951-52	2,169	1,553	1,400	1,697	0.104	4.5		
52-53	1,431	702	1,169	1,103	0.068	3.0		
5 Years' Average	3,830	3,239	2,907	3,323	0.204	8.9		

SERIAL No. 6

River KRISHNA		Site SIDDESWARAM				Month FEBRUARY		
Year		Mean discha	rge (Cuse cs)		Volume of flow for			
(June to May)	1-10	11-20	21-28 29	$Whole \\ month$	M. A. F.	T. M. C		
1948-49	4,939	4,505	4,356	4,617	0.256	11.2		
49-50	2,390	1,960	1,650	2.025	0.112	4.9		
50-51	1,400	1,130	942	1,097	0.061	2.7		
1951-52	1,178	9,260	838	991	0.057	2.5		
52-53	932	575	381	647	0.036	1.6		
5 Years' Average	2,168	3,486	1.633	1.875	0.104	4.6		

Month MARCH

Year		Mean discha	rge (Cusecs)		Volume of flow fo the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. O
1948-49	3,308	2,217	1,630	2,360	0.145	6.3
49-50	(1,154)	(1,154)	(1,154)	(1,154)	(0.071)	(3.1)
50-51	710	445	250	<i>523</i>	0.032	1.4
1951-52	675	395	248	375	0.023	1.0
52-53	270	158	130	184	0.011	0.5
5 Years' Average	1,223	874	682	919	0.056	2.5

SERIAL No. 6

River KRISHNA		Site SID	DESWARAM	[Mont	h APRIL	
77		Mean discha	rge (Cusecs)	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	
1948-49	1,742	1,622	1,056	1,473	0.088	3.8	
49-50	550	425	179	341	0.020	0.9	
50-51	2,946	306	956	1,403	0.083	3.6	
1951-52	180	283	139	200	0.012	0.5	
52-53	106	95	445	219	0.013	0.6	
5 Years' Average	1,105	546	555	727	0.043	1.9	

Month MAY

Year		Mean discharge (Cusecs)			Volume of the me	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1948-49	668	519	7,644	3,095	0.190	8.3
49-50 ,	140	77	264	164	0.010	0.4
50-51	450	330	816	522	0.032	1.4
1951-52 ,	50	4,591	115,982	42,652	2.623	114.2
52-53 ,	1,962	1,441	722	1,351	0.083	3.6
5 Years' Average	654	1,392	25,086	9,557	0.588	25.6

River KRISHNA	SHE D	ELOW NAC	ANJONA L	SAGAR DAI	1,2.	onth JUNE		
Year		Mean discha	rge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	7. M. C.		
1957-58*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
5 8- 59	38,825	20,310	17,350	25,495	1.517	66.1		
59-60	124,980	263,400	323,440	237,273	14.119	615.0		
60-61	53,300	54,980	52,320	53,533	3.185	138.8		
3 Years' Average	72,368	112,897	131,037	105,434	6.274	273.3		
		Mont	h JULY					
		Mean discha	rge (Cusecs)			f flow for		
Year (June to May)	1-10	11-20	21-31	Whole	the mo			
(same to mag)	1-10	11-20	21-31	month	M. A. F.	T. M. C.		
1957-58*	140,467	265,080	275,809	241,759	14.865	647.5		
58-59	190,260	484,460	550,582	413,019	25.396	1,106.2		
59-60	437,400	457,640	509,427	469,487	28.868	1,257.5		
60-61	252,315	193,950	107,827	182,218	11.204	488.1		
3 Years' Average	293,325	378,683	389,279	354,908	21.823	950.6		
		Month	AUGUST					
~-		Mean dische	rge (Cusecs)	,	Volume of the me	f flow for		
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.		
1956-57*	N.A.	243,900	220,118	229,367	14.103	614.3		
57-58*	190,890	274,200	318,791	263,148	16 180	704.8		
58-59	191,350	164,860	289,755	217,723	13 387	583 .1		
59-60	350,620	159,570	129,536	210,542	12.946	56 3.9		
60-61	367,450	237,250	179,745	$258,\!845$	15 916	693. 3		

^{*}Not considered for calculating the average.

River KRISHNA	Site BEL	OW NAGAI	RJUNA SAG	GAR DAM	Month SE	PTEMBER		
Year		Mean disch	arge (Cusecs)	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.		
1956-57	195,990	101,580	147,400	148,323	8.826	384.5		
57-58	137,160	178,130	89,530	134,940	8.029	349.8		
58-59	317,230	151,180	146,640	205,017	12.199	531.4		
59-60	369,000	189,070	127,120	228,397	13.591	592.0		
60-61	119,050	167,360	425,080	237,163	14.112	614.7		
3 Years' Average	268,427	169,203	232,947	223,526	13.301	579.4		
		Month	OCTOBER					
	1	Mean discharge (Cusecs)		Volume of flow for				
Year (June to May)	1-10	11-20	21-31	Whole	the mo	1		
	1-10	11-20	21.01	month	M.A.F.	T. M. C.		
1956-57* ,	256,480	262,010	155,473	222,423	13.676	595.7		
57-58*	82,632	51,705	160,509	100,289	6.167	268.6		
58-59	90,740	106,890	34,518	76,006	4.673	203.6		
59-60	195,360	65,780	42,164	99,200	6.100	265.7		
60-61	226,830	101,610	78,364	133,755	8 224	358.2		
3 Years' Average	170,977	91,427	51,682	102,985	6.332	275.8		
			OVEMBER					
Year		Mean ai sc har	ge (Cusecs)	Whole	Volume of the more			
(June to May)	1-10	11-20	21-30	mon h	M. A. F	T. M. C		
1956-57	172,090	149,360	72,350	131,267	7.811	340.2		
57-58	96,540	64,075	54,125	71,580	4.259	185.5		
58-59	18,650	16,150	16,670	17,157	1.021	44.5		
59-60	31,455	30,600	34,020	32,025	1.906	83.0		
60-61	68,170	73,120	62,320	67,870	4.039	175.9		
3 Years' Average	39,425	39,957	37,670	39 017	2.322	101.1		

^{*} Not considered for calculating the average.

SERIAL No. 7

River KRISHNA	Site BELO	W NAGAR	UNA SAGA	R DAM	Month DE	CEMBER		
Year		Mean discha	rge (Cusecs)		Volume of	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.		
1956-57*	57,965	33,250	25,918	38,800	2.386	103.9		
57-58*	23,460	17,950	16,318	19,148	1.177	51.3		
58-59	14,250	13,160	13,000	13,455	0.827	36.0		
59-60	$25,\!655$	22,350	20,200	22,653	1.393	60.7		
60-61	50,370	42,805	40,000	44,250	2.721	118.5		
3 Years' Average	30,092	26,105	24,400	26,786	1.647	71.7		
		Month	JANUARY					
77		Mean discha	rge (Cusecs)		Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.		
		1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1		
1956-57*	23,470	21,400	19,800	21,500	1.322	57.6		
57-58*	14,875	13,465	$-12,\!160$	13,457	0.827	36.0		
5 8- 59 · · ·	12,006	10,870	10,382	11,063	0.680	29 .6		
59-60	48,820	22,620	22,200	30,923	1.901	82.8		
60-61	39,700	36,920	30,282	35,461	2.180	95.0		
3 Years' Average	33,509	23,470	20,955	25,81	1.587	69.1		
		Month 1	FEBRUARY					
Year		Mean dische	rge (Cusecs)		Volume of the m	of flow for		
(June to Mau)	1-10	11-20	21-28/29	$Whole \\ month$	M.A.F.	T. M. C.		
1956-57* :	16,550	15,975	12,878	15,295	0.849	37.0		
57-58*	$12,\!554$	14,480	14,525	13,805	0.767	33.4		
58-59	10,000	9,940	9,700	9,893	0.549	23.9		
59-60	15,725	14,090	13,750	14,548	0.837	26.5 36.5		
60-61	8,724	6,942	6,152	7,353	0.408	17 8		
3 Years' Average	11.483	10,324	9,867	10,598	0.598	26.1		

^{*} Not considered for calculating the average.

1956-57* 11,758 19,585 35,317 1 57-58* 13,146 13,523 14,123 13 58-59 9,460 9,400 9,155 3 59-60 13,075 12,500 12,191 13	Whole nonth	Volume of the mo	of flow for onth
(June to May) 1-10 11-20 21-31 1956-57*	nonth 8,234 8,614	M. A. F.	1
57-58* 13,146 13,523 14,123 13 58-59 9,460 9,400 9,155 3 59-60 13,075 12,500 12,191 13	3,614	1.121	
58-59 9,460 9,400 9,155 8 59-60 13,075 12,500 12,191 15	•		48.8
59-60 13,075 12,500 12,191 <i>1</i>		0.837	36.5
	9,332	0.574	25.0
	2,576	0.773	33.7
60-61 6,325 5,055 4,235	5,174	0.318	13 9
3 Years' Average 9,620 8,985 8,527 9	,027	0.555	24.2
Month APRIL			
Mean discharge (Cusecs)		Volume of flow for	
Year	Vhole -	the mo	nth
1 (4)00 0 70 (1)(1)(1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	nonth	M. A. F.	T. M. C
1956-57* N.A. N.A. N.A.	N.A.	N.A.	N.A.
at 10 and a collection	1,165	0.843	36.7
	7,180	0.546	23.8
N. 1974 - 12 1	,363	0.676	2 9.5
	,420	0.323	14.0
3 Years' Average 8,825 9,059 8,083 8	,654	0.515	22.4
Month MAY			-
Mean discharge (Cusecs)		Volume of the mo	f flow for
$I = I_{\text{atmos}} = $	V hole nonth	$\frac{me}{M. A. F.}$	T. M. C.
1956-57* N.A. N.A. N.A.	N.A.	N.A.	N.A.
1990-91	,570	1 265	55 1
0, 00	,487	0.583	25.4
, , , , , , , , , , , , , , , , , , , ,	3,969	1.474	64.2
	,224	0.875	38.1
3 Years' Average 8,494 8,841 29,031 15		0.977	42.6

^{*} Not considered for calculating the average.



River KRISHNA		Site VIJ	AYAWADA		or	nth JUNE
Year		Mea n dischar	ge (Cusecs)	1	Volume of the mo	
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C.
1901-02	17,750	21,188	82,124	40,354	2.401	104.6
02-03	2,418	10,460	38,550	17,143	1-020	44.4
03-04	2,525	26,436	34,668	21,210	1.262	55.0
04-05	4,497	10,860	101,602	38,986	2. 320	1 01.1
05-06	3,693	15,918	15,963	11,858	0.706	30.7
1906-07	Nil	45,245	65,708	36,984	2,201	95.9
07-08	629	21,631	19,516	13,925	0.829	36-1
08-09	354	810	3,169	1,444	0.086	3.7
09-10	30,936	73,849	32,298	45,694	2.719	118.4
10-11	Nil	-126	7,679	2,602	0.155	6.7
10 Years' Average	6,280	22,652	40,128	23,020	1,370	59.7
1911-12	577	14,040	90,750	35,122	2.090	91.0
12-13	165	6,350	3,163	3,226	0.192	8.4
13-14	30,058	79,326	75,148	61,511	3.660	159.4
14-15	484	3,176	29,954	$11,\!205$	0.667	29.0
15-16	$2\ 522$	8,650	20,794	10,655	0.634	27.6
1916-17	37,565	37,944	76,425	50,645	3.014	131.3
17-18	20,826	58,921	88,374	56,040	3.335	145.3
18-19	$35,\!292$	14,259	10,024	19,858	1.182	51.5
19-20	40,740	70,149	47,522	52,804	3.142	136.9
20-21	433	1,670	49,919	17,341	1.032	44.9
10 Years' Average	16,866	29,449	49,207	31,841	1.895	82.5
1921-22	2,108	8,773	33,873	14,918	0 888	38.7
22-23	11,576	12,848	16,918	13,781	0.820	35.7
23-24	517	2,392	2,158	1,689	0.101	4.4
24-25	231	8,478	21,034	9,914	0.590	25.7
25-26	8,369	5,993	$16,\!235$	/ 0 ,199	0.607	26.4
1926-27	767	2,280	7,673	3,573	0.213	9.3
27-28	15	9 329	58,393	22,579	1.344	58.5
28-29	598	44,497	39,680	28,259	1.682	73.2
29-30	1,551	20.785	40,225	20,854	1.241	54.1
30-31	807	8,041	20,380	9,743	0.580	25.3
10 Years' Average	${2,654}$	12,342	25,657	13,55I		35.1

River KRISHNA		Site VIJA	YAWADA		Mon	ith JUNE
	<u> </u>	Mean dischar	Volume o	Volume of flow for the month		
Year (June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M.C
1931-32	8,637	10,892	39,855	19,795	1.178	51.3
32-33	8,465	6,244	15,668	10,126	0.603	26.2
33-34	18,874	58,634	69,451	48,986	2.915	127.0
34-35	143	2,755	10,371	4,423	0.263	11.5
35-36	Nil	16,125	39,307	18,478	1.100	47.9
1936-37	11,211	4,738	14,383	10,110	0.602	26.2
37-38	972	1,062	18,267	6,767	0.403	17.5
38-39	16,698	32,377	132,660	60,578	3.605	157.0
39-40	Nil	Nil -	29,822	9,940	0.591	25.8
40-41	7,228	7,410	34,238	16,295	0.970	42.2
10 Years' Average	7,223	14,021	40,402	20,550	1.223	53.3
1941-42	$\frac{-1}{1,219}$	27,316	20,397	16,310	0.971	42.3
42-43	747	43,379	70,910	38,345	2.282	99.4
43-44	22.214	9,494	49,380	27,029	1.608	70.1
44-45	4,122	6,388	37,766	16,092	0.958	41.7
45-46	1,116	4,655	12,038	5,936	0.353	15.4
1946-47	15,685	48,508	22,361	28,851	1.717	74.8
47-48	2,894	15,597	30,898	16,463	0.980	42.7
48-49	2,039	7,367		8,394	0.499	21.8
49-50	10,328	8,822	26,903	15,351	0.913	39.8
50-51	16,639	23,159	12,964	17,587	1.046	45.6
10 Years' Average	7,700	19,468	29,939	19,036	1.133	49.3
1951-52	27,131	$\frac{-}{18,252}$	51,075	32,153	1.913	83.3
52-53	17,376	34,283	11,536	21,065	1.253	54.6
53-54	199	1,321	49,652	14,057	0.836	36.4
54-55	6,091	9,082	11,500	8,891	0.529	23.0
55-56	15,468	17,777	14,651	15,965	0.950	41.4
1956-57	15,897	7,268	13,098	12,088	0.719	31.3
57-58	19,335	20,800	40,309	<i>26,814</i>	1.596	69.5
58-59	18,252	6,001	2,322	8,858	0.527	23.0
59-60	13,068	24,045	46,582	27,898	1.660	72.3
69-61	18,645	17,825	18,671	18,380	1.094	47.6
10 Years' Average	15,146	15,665	25,040	18,616	1.108	48.3
60 Years' Average	9,312	18,933	35,062	21,102	1.256	54.7

River KRISHNA		Site VIJ	AYAWADA		Mon	ith JULY
	f	Mean disch		$Volume\ of\ flow\ for \ the\ month$		
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C
1901-02	53,920	337,754	222,510	205,302	12.624	549.9
02-03	38,292	105,584	363,129	175,264	10.777	469.4
03-04	68,398	124,086	499,980	239,504	14.727	641.5
04-05	264,893	304,523	134,206	231,304	14.222	619.5
05-06	18,972	109,202	219,938	119,389	7.341	319.8
1906-07	6 5, 754	113,816	276,275	155,959	9.590	417.7
07-08	7 7, 161	98,399	208,163	130,496	8.024	349.5
08-09	64,488	309,580	351,751	245,482	15.094	657.5
09-10	133,246	294,675	340,893	259,001	15.925	693.7
10-11	198,898	200,101	56,243	148,666	9.141	398.2
10 Years' Average	98,402	199,772	267,309	191,037	11.746	511.7
1911-12 ,	68,342	120,651	206,008	134,065	8 243	359.1
12-13	40,567	97,865	300,862	151,413	9.310	405 5
13-14	210,572	138,219	289,808	215,348	13.241	576.8
14-15	68,695	219,299	504,403	271,883	16.717	728.2
15-16	289,751	89,960	146,420	174,443	10.726	467.2
1916-17	184,343	132,000	218,032	179,412	11.032	480.5
17-18	149,800	87,757	140,086	126,339	7.768	338.4
18-19	13,836	81,546	17,405	36,944	2.272	99.0
19-20	98,843	178,534	68,453	113,766	6.995	304,7
20-21	85,528	286,803	$265,\!199$	214,210	13.171	573.7
10 Years' Average	121,128	143,263	215,668	161,779	9.947	433.3
1921-22	25,195	65,467	198,384	99,640	6.127	266.9
22-23	145,862	209,400	294,876	219,234	13.480	587.2
23-24	13,446	250,817	480,483	255,740	15.725	685.0
24-25	18,435	181,386	389,841	202,789	12.469	543.2
25-26	181,114	191,731	403,022	263,280	16.188	705.2
1926-27	29,790	270,377	103,779	133, 653	8.218	358.0
27-28	86,522	245,972	342,031	$228,\!622$	14.057	612.3
28-29	54,942	82,622	175,388	106,610	6.555	285 5
29-30	99,460	273,414	227,783	201 108	12.366	538.6
30-31	198,413	163,405	254,568	207,046	12.731	554.6
10 Years' Average	85,318	193,459	287 016	191,772	11.792	513.6

River KRISHNA		Site VIJ.	AYAWADA		Month JULY			
		Mean dischar	ge (Cusecs)			of flow for		
Year (June to Ma)	1-10	11.00	01 01	Whole	the me	onth		
June to mu	1-10	11-20	21-31	month	M.A.F.	T. M. C.		
1931-32	74,061	234,408	261,819	192,410	11.831	515.4		
32-33	37,747	135,541	329,279	172,741	10.621	462.7		
33-34	146,320	129,421	172, 83	<i>150 081</i>	9.228	402.0		
34-35	185,728	247,904	151,546	193,656	11.907	518.7		
35-36	25,495	162,238	157,745	116,533	7.165	312.1		
1936-37	225,151	124,026	191,665	180,648	11.108	483.8		
37-38	134 334	177,212	353,005	225,759	13.881	604.7		
38-39	218,522	214,930	261,868	232,744	14.311	623.4		
39-40	87,014	272,552	265,834	210,317	12 932	563 3		
40-41	1 52,947	176,748	280,039	205,722	12.649	551.0		
10 Years' Average	128,732	187,498	242,508	188,061	11.563	503.7		
1941-42	169,336	358,940	111,568	210,000	12.912	562.5		
42-43	160.225	259,922	230,117	217,186	13.354	581.7		
43-44	131,758	265 307	242,433	214,110	13.165	573.5		
44-45	59,613	221,650	297,221	196,196	12.064	525.5		
45-46	77,652	315,432	225,678	206,881	12.721	554.1		
1946-47	135,432	178,819	197,883	171,588	10.551	459.6		
47-48	54,294	71,885	282,056	140,787	8.657	377.1		
48-49	63,352	101.523		134,893	8.294	361.3		
49-50	55,342	107,716	211,237	127,555	7.843	341.6		
50-51	11,571	86,446	447,579	190,437	11.710	510.1		
10 Years' Average	91,858	196,764	247,604	180,963	11.127	484.7		
1951-52	99,497	98,444	2:2,794	142,908	8.787	382.8		
52-53	52,518	50,122	229,594	114,579	7.045	306.9		
5 -54	247,227	311,014	149,012	232,953	14 324	623.9		
54-55	34,193	267,126	317,961	210,024	12.914	562.5		
55-56	132,996	133,289	124,846	130,199	8.006	348.7		
1956-57	243,798	465,756	537,876	419,747	25.809	1,124.3		
57-58	107,619	271,535	306,588	231,097	14.210	619.0		
58-59	197,097	491,539	593,785	432,839	26.614	1,159.3		
5 -60	241,182	490,637	527,346	423,193	26.021	1,133.5		
60-61	215,154	185,983	59,980	150,682	9.265	403.6		
10 Years' Average	157,128	276,544	306,978	248,822	15.299	666.4		
60 Years' Average	113,761	199,550	261,180	193,740	11.912	518.9		

SERIAL No 8.

River KRISHNA		Site V	IJAYAWADA	L	Month	AUGUST
Year		Mean discha	irge (Cusecs)	7	Volume the n	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	
1901-02	290,002	421,848	222,565	308,604	18.975	826.6
02-03	162,154	67,753	52,084	92,645	5.697	248.1
03-04	538,116	198,086	252,647	327,133	20.115	876.2
04-05	106,366	213,405	85,137	133,362	8-200	357.2
05-06	216,245	119,902	140,045	158,128	9.723	423.5
1906-07	221,981	81,318	273,674	194,948	11.987	522.1
07-08	451,817	430,081	331,512	402,116	24.725	1,077.0
08-09 ,	406,601	266,062	184,610	282,495	17.370	756.6
09-10	326,925	139,734	131,822	197,310	12.132	528.5
10-11	132,714	298,608	202,072	210,839	12.964	564.7
10 Years' Average	285,292	223,680	187,617	230,758	14.189	618.1
1911-12	99,072	176,148	187,606	155,351	9.552	416.1
12-13	465,055	296,608	179,913	309,539	19.033	829.1
13-14	332,144	171,715	147,652	179,444	11.034	480.6
14-15	572,820	572,004	197,761	439,471	27.022	1,177.1
15-16 ,	440,016	195,163	101,060	240,757	14.804	644.8
1916-17	387,960	317,520	267,988	322,667	19.840	864.2
17-18	222,225	134,705	188,145	181,900	11.185	487.2
18-19	19,018	105,560	184,425	105,627	6.495	282.9
19-20	274,845	233,002	130,430	210,103	12.919	562.7
20-21	247,353	132,212	88,177	153,729	9.452	411.7
10 Years' Average	306,051	233,464	167,316	229,859	14.133	615.7
1921-22	419,955	262,938	220,353	298,478	18.353	799.4
22-23	308,153	125,307	182,741	204,669	12.585	548.2
23-24	397,062	371,852	200,924	319,332	19.635	855.3
24 - 25	294,556	181,357	123,352	197,290	12.131	528.4
25-26	221,432	166,311	175,769	187,448	11.526	502.1
1926-27	318,665	465,396	234,576	336,160	20.670	900.4
27-28	338,884	176,453	151,042	219,834	13.517	588.8
28-29	304,666	161,798	132,619	197,531	12.146	529.1
29-3 0	149,567	122,600	143,221	138,616	8.523	371.3
30-31	211,950	247,153	99,458	183,389	11.276	491.2
10 Years' Average	296,489	228,117	166,406	228,275	14.036	611.4

River KRISHNA		Site VIJ	AYAWADA		Month	AUGUST
77		Mean discharge (Cusecs)				f flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1931-32	183,210	385,170	361,153	311,499	19.153	834.3
32-33	418,629	267,006	153,593	275,674	16.951	738.4
33-34	498,291	351,754	168,209	333,895	20.530	894.3
34-35	235,641	290,901	262,368	262,951	16.168	704.3
35- 36	209,015	118,083	177,042	168,337	10.351	450.9
1936-37	176,561	225,432	150,105	182,938	11.248	490.0
37-38	278,530	153,719	84,433	169,395	10.416	453.7
38-39	172,781	112,451	180,152	155,935	9.588	417.7
39-40	98,275	95,131	203,791	134,702	8.283	360.8
40-41	246,504	213,300	265,632	242,580	14.916	649.7
10 Years' Average	251,744	221,295	200,648	223,791	13.760	599.4
1941-42	36,834	142,023	144,497	108,969	6.700	291.9
42-43	321,301	186,034	142,881	214,356	13.180	574.1
43-44	222,831	139,655	64,496	139,817	8.597	374.5
44-45	291,746	109,849	172,695	190,825	11.733	511.1
45-46	141,721	132,778	248,722	176,804	10.871	473.6
1946-47	389,077	343,163	335,596	355,289	21.846	951.6
47-48	153,265	126,458	335,599	209,317	12.870	560.6
48-49	189,412	260,433	272,534	241,817	14.869	647.7
49-50	236,223	209,496	130,739	190,171	11.693	509.4
50-51	326,950	223,539	114,602	218,242	13.419	584.5
10 Years' Average	230,936	187,343	196,236	204,561	12.578	547.9
1951-52	254,315	230,397	111,948	196,082	12.057	525.2
52-53	329,768	211,482	190,856	242,320	14.900	649.0
53-54	224,023	338,735	306,372	2 9 0,2 4 7	17.847	777.4
54-55	276,994	352,587	141,536	253,313	15.576	678.5
55-56	169,249	287,359	349,828	271,425	16.689	727.0
1956-57	628,638	374,072	220,071	401,545	24.690	1,075.5
57-58	200,570	295,094	383,342	295,916	18.195	792.6
58-59 · · ·	177,111	159,343	296,326	213,681	13.139	572.3
59-60	315,722	186,460	233,017	244,677	15.045	655.3
60-61	335,130	237,683	297,493	290,340	17.852	777.6
10 Years' Average	291,152	267,321	253,078	269,954	16.599	723.0
60 Years' Average	276,944	226,870	195,217	231,200	14.216	619.2

River KRISHNA		Site V	'IJAYAWADA	\	Month SE	PTEMBER
		Mean disc	harge (Cusecs)		Volume	of flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T.M.C
1901-02	113,546	44,993	101,822	86,787	5.164	225 0
02-03	229,417	314,103	146,699	230,073	13.690	596.3
03-04	204,589	173,824	238,886	205,766	12.244	533 3
04-05	39,472	135,768	114,349	96,530	5.744	250.2
05-06	95,807	53,737	43,985	64,510	3.839	167.2
1906-07	288,985	109,333	131,198	176,505	10.503	457.5
07-08	137,667	70,913	78,347	95,642	5.691	247.9
08-09	149,475	141,710	366,873	219,353	13.052	568.6
09-10	266,558	100,786	41,765	136,370	8.115	353.5
10-11	2 07,566	114,890	258,373	193,609	11.521	501.8
10 Years' Average	173,308	126,006	152,230	150,514	8.956	390.1
1911-12	121,235	78,606	73,689	$-{91,176}$	5.425	236.3
12-13	87,664	68,979	123,476	93,373	5.556	242.0
13-14	82,098	62,502	52,191	65,597	3.903	170.0
14-15	127,266	168,160	328,721	208,049	12.380	539.3
15-16	83,368	143,830	181,056	136,085	8.098	352.7
1916-17	114,806	384,410	228,695	242,637	14.438	628.9
17-18	379,373	284,725	205,719	289,939	17.253	751.5
18-19	88,117	51,960	133,201	91,093	5.420	236.1
19-20	218,295	122,583	172,917	171,232	10.189	443.8
20-21	58,964	51,254	112,107	74,109	4.410	192.1
10 Years' Average	136,119	141,701	161,177	146,329	8.707	379.3
1921-22	69,512	136,703	128,111	111,442	6.631	288.9
22-23	90,311	97,868	70,243	86,141	5.126	223.3
23-24	118,549	114,308	151,466	128,108	7.623	332.1
24-25	339,14 3	94,956	191,807	208,635	12.415	540.8
25-26	138,242	62 ,818	84,945	95,335	5.673	247.1
1926-27	187,409	225,548	118,212	177,056	10.536	458.9
27-28	153,377	100,968	218,943	157,763	9.388	408.9
28-29	312,024	147,247	183,163	214,144	12.742	555.1
29-30	113,165	52,231	162,408	109,268	6.502	283.2
30-31	108,715	223,015	166,833	166,188	9.889	430.8
10 Years' Average	163,045	125,566	147,613	145,408	8.652	376.9

SERIAL No. 8

River	KRISHNA

Site VIJAYAWADA Month SEPTEMBER

				Mean dischar	ge (Cusecs)		Volume oj	
32.33 209 604 274 752 89,876 191,441 11.392 496.2 33-34 257,281 244,136 223,305 241,574 14.375 626.2 34-35 119,823 83,956 48,312 84,030 5.000 217.8 35-36 . 253,607 175,716 144,894 191,405 11.389 496.1 1936-37 . 74,772 125,552 112,338 104,220 6.202 270.1 37-38 36,339 86,159 144,030 88,842 5.287 230.3 38-39 187,662 104,959 207,988 166,810 9.926 432.4 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 110,809 84,526 97,107 5.778 251.7 42-43 152,935 101,303 40,879 98,372 5.854	Year (June to 1	(Iay)	1-10	11-20	21-30			T, M, C
32-33 209,694 274,752 89,876 191,441 11.392 496.2 33-34 257,281 244,136 223,305 241,574 14.375 626.2 34-35 119,823 83,956 48,312 84,030 5.000 217.8 35-36 253,607 175,716 144,894 191,405 11.389 496.1 1936-37 74,772 125,552 112,338 104,220 6.202 270.1 37-38 36,339 86,159 144,030 88,843 5.287 230.3 38-39 187,662 104,959 207,988 166,810 9.926 432.4 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 110,809 84,526 97,107 5.778 251.7 42-43 152,935 101,303 40,879 98,372 5.854	1007.00	1	010.100	104.003	100 409	000 070	19.096	F04.9
33-34 257,281 244,136 223,305 241,574 14.375 626.2 34-35 119,823 83,956 48,312 84,030 5.000 217.8 35-36 253,607 175,716 144,894 191,405 11.389 496.1 1936-37 74,772 125,552 112,338 104,220 6.202 270.1 37-38 36,339 86,159 144,030 88,843 5.287 230.3 38-39 187,662 104,959 207,988 166,810 9.926 432.4 39-40 297,467 117,338 126,968 180,591 10.746 468.1 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 152,935 101,303 40,879 98,372 5.854	_							
34-35 119,823 83,956 48,312 84,030 5.000 217.8 35-36 253,607 175,716 144,894 191,405 11.389 496.1 1936-37 74,772 125,552 112,338 104,220 6.202 270.1 37-38 36,339 86,159 207,988 166,810 9.926 432.4 39-40 297,467 117,338 126,968 180,591 10.746 468.1 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 162,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 399.7 44-45 116,944 98,165 82,282 99,131 5.899								
35-36 . 263,607 175,716 144,894 191,405 11.389 496.1 1936-37 . 74,772 125,552 112,338 104,220 6.202 270.1 37-38 . 36,339 86,159 144,030 88,843 5.287 230.3 38-39 187,662 104,959 207,988 166,810 9.926 432.4 39-40 297,467 117,338 126,968 180,591 10.746 468.1 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 162,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 87,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207 8.640 376.4 54-55 141,043 150,565 164,864 152,157 9.054 394.5 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 136,352 185,223 68,588 129,721 7.719 336.2 58-59 327,946 135,465 145,213 202,875 12.072 252.5 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 628.6 60-61 234,306 301,380 440,432 325,373 19.361 628.6								
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37-38 36,339 86,159 144,030 88,843 5.287 230.3 38-39 187,662 104,959 207,988 166,810 9.926 432.4 39-40 297,467 117,338 126,968 180,591 10.746 468.1 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 152,935 101,303 40,879 93,372 5.542 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96,687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 <	35-36 .		253,607	175,716	144,894	191,405	11.389	496.1
37-38	1936-37		74,772	125,552				
38-39 187,662 104,959 207,988 166,810 9.926 432.4 39-40 297,467 117,338 126,968 180,591 10.746 468.1 40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 152,935 101,303 40,879 98,372 5.854 255.0 43-44 130,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898			36,339	86,159	144,030	88,843	5.287	230.3
39-40 . 297,467 117,338 126,968 180,591 10.746 468.1 40-41 . 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 . 86,985 119,809 84,526 97,107 5.778 251.7 42-43 . 162,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 . 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 . 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 . 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 . 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 62-53 68,562 26,622 29,013 41,398 2.463 107.3 62-53 68,562 26,622 29,013 41,398 2.463 107.3 63-55 115,840 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 364.1 55-58 135,352 185,223 68,588 129,721 7.719 3362.2 58-59 327,946 135,465 145,213 202,875 12.077 555.9 59-60 364,652 211,550 145,213 202,875 12.077 555.9 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8			187.662	104,959				432.4
40-41 133,690 57,999 97,038 96,242 5.727 249.5 10 Years' Average 178,252 146,555 139,423 154,743 9.208 401.1 1941-42 86,985 119,809 84,526 97,107 5.778 251.7 42-43 162,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,463 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940					126,968	180,591	10.746	468.1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		•				96,242		249.5
42-43 152,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303	10 Years' A	Average	178,252	146,555	139,423	154,743	9.208	401.1
42-43 152,935 101,303 40,879 98,372 5.854 255.0 43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 </td <td>1041-49</td> <td></td> <td>86 985</td> <td>119 809</td> <td>84.526</td> <td>97,107</td> <td>5.778</td> <td>251.7</td>	1041-49		86 985	119 809	84.526	97,107	5.778	251.7
43-44 136,540 155,416 101,171 131,042 7.798 339.7 44-45 116,944 98,165 82,282 99,131 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207		• •				98.372		
44-45 116,944 98,165 82,282 99,181 5.899 256.9 45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157		• •		155 416				
45-46 162,130 96.687 57,571 105,463 6.275 273.4 1946-47 172,818 184,501 67,453 141,590 8.425 367.0 47-48 321,339 189,025 291,164 267,176 15.898 692.5 48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,		• •						
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1048 47		179 010	184 501	67.453	141.590	8.425	367.0
48-49 118,189 68,985 193,716 126,963 7.555 329.1 49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 135,352 185,223 68,588 129,721 7.719 336.2 58-59 327,946 135,465 145,213 202		• •				267,176		
49-50 136,543 86,656 580,446 267,882 15.940 694.4 50-51 106,026 359,401 142,968 202,798 12.067 525.7 10 Years' Average 151,045 145,995 164,218 153,752 9.149 398.5 1951-52 120,290 50,764 45,866 72,306 4.303 187.4 52-53 68,562 26,622 29,013 41,398 2.463 107.3 53-54 155,849 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 135,352 185,223 68,588 129,721 7.719 336.2 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 3	*	• •	110 190					
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						202,798		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10 Years'	Average	151,045	145,995	164,218	153,752	9.149	398.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1051 50		120 200	50 764	45 866	72 306	4.303	187.4
52-54 155,849 148,212 131,562 145,207 8.640 376,4 54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 135,352 185,223 68,588 129,721 7.719 336.2 58-59 327,946 135,465 145,213 202,875 12.072 525.9 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8								
54-55 141,043 150,565 164,864 152,157 9.054 394.4 55-56 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 135,352 185,223 68,588 129,721 7.719 336.2 58-59 327,946 135,465 145,213 202,875 12.072 525.9 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8								
55-56 . 262,785 211,350 223,552 232,562 13.838 602.8 1956-57 . 193,875 93,149 136,732 141,252 8.405 366.1 57-58 . 135,352 185,223 68,588 129,721 7.719 336.2 58-59 . 327,946 135,465 145,213 202,875 12.072 525.9 59-60 . 364,652 211,519 151,352 242,508 14.430 628.6 60-61 . 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8				150 565				
1956-57 193,875 93,149 136,732 141,252 8.405 366.1 57-58 135,352 185,223 68,588 129,721 7.719 336.2 58-59 327,946 135,465 145,213 202,875 12.072 525.9 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8				211,350				602.8
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58-59 327,946 135,465 145,213 202,875 12.072 525.9 59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8								
59-60 364,652 211,519 151,352 242,508 14.430 628.6 60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8								
60-61 234,306 301,380 440,432 325,373 19.361 843.4 10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8			327,940					
10 Years' Average 200,466 151,425 153,717 168,536 10.029 436.8								843.4
		Average				168,536	10.029	436.8
		-		139,541	153,063	153,214	9,117	397.1

River KRISHNA		Site VI]	AYAWADA		Month	OCTOBER
	Mean discharge (Cusecs)				Volume of the me	of flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1901-02	68,814	45,170	24,195	45,354	2.789	121.5
02-03	44,345	68,169	45,651	$52,\!494$	3 228	140.6
03-04	521,516	98,522	89,245	231,680	14.245	620.5
04-05	37,255	56,799	72,844	56,188	3.455	150.5
05-06 ,	26,758	13,812	53,853	32,196	1.980	86.2
1906-07	55,609	55,522	28,104	45,821	2.817	122 7
07-08	160,034	35,366	15,881	$68,\!668$	4.222	183.9
08-09	118,376	27,082	16,424	52,750	3.243	141.3
09-10	71,385	55,461	17,945	47,286	2.908	126.7
10-11	244,507	124,911	113,329	159,381	9.800	426 .9
10 Years' Average	134,860	58,081	47,747	79,182	4.869	212.1
1911-12	29,852	29,355	27,157	28,735	1.767	77.0
12-13	74,683	82,100	57,235	70,884	4.358	189.9
13-14	48,856	78,109	48,598	58,201	3.579	155.9
14-15	136,656	45,269	21,480	66,307	4.077	177.6
15-16	344,841	154,068	69,733	185,683	11.417	497.3
1916-17	91,458	38,845	204,523	114,606	7.047	307.0
17-18	207,036	135.540	285.140	211,687	13.016	5 67.0
18-19	30,399	13,715	6,612	16,577	1.019	44.4
19-20	252,012	91,985	46,172	127,351	7.831	341.1
20-2I	70,667	62,604	14,008	47,961	2.949	128.5
10 Years' Average	128,646	73,159	78,066	92,799	5.706	248.6
1921-22	69,209	$\frac{-}{196,274}$	29,011	$-\frac{1}{95,934}$	5.899	257.0
22-23	50,140	50,635	30,019	43,160	2.654	115.6
23-24	84,141	23,863	19,448	41,741	2.567	111.8
24-25	147,315	40,725	34,335	72,841	4.479	195.1
25-26	103,115	205,672	30,393	110,393	6.788	295.7
1926-27	95,087	50,972	20,522	54,398	3.345	145.7
27-28	168,243	67,825	21,984	83,952	5.162	224.9
28-29	251,870	91,375	83,038	140,189	8.620	375.5
29-30	276,266	110,907	31,786	136,174	8.273	364.7
30-31	118,562	118,072	40,298	90,633	5 573	242.8
10 Years' Average	136,395	95,632	34,083	86,942	5.346	232.9

River KRISHNA		Site VIJ.	AYAWADA		Month (OCTOBER
		Mean discha	rge (Cušecs)			of flow for
Year (June to May)	1-10	11-20	21-31	Whole	the mo	1
	1 20	14 140	1	month	M.A.F.	T. M. C
1931-32	207,321	160,976	84,468	148,778	9.148	398.5
32-33	80,452	63,319	165,461	105,090	6 462	281.5
33-34	112,294	191,430	133,505	<i>145,348</i>	8.937	389.3
34-35	76,271	45,758	35,751	52,050	3.200	139.4
35-36	68,349	51,862	84,911	68,907	4.237	184.6
1936-37	165,759	49,748	51,346	87,738	5.395	235.0
37-38	210,977	138,834	28,873	123,088	7.568	329.7
38-39	301 614	195,428	42,311	175,350	10.782	469.7
39-40	39,798	20,363	120,059	62,008	3.815	166.2
40-41	67,413	121,752	52,648	79,702	4.901	213.5
10 Years' Average	133,025	103,947	79,933	104,806	6,444	280.7
1941-42	87,014	69,382	16,366	56,257	3.459	150.7
42-43	22,426	24,358	20,290	22,292	1.371	59.7
43-44	176,524	173,513	137,692	161,774	9.947	433.3
44-45	40,712	70,813	81,946	65,053	4.000	174.2
45-46	57,715	39,350	49,881	49,011	3.014	131.3
1946-47	141,342	53,829	16,909	68,958	4.240	184.7
47-48	167,179	107,357	64,359	111,397	6.850	298.4
48-49	157,470	112 730	49,346	104,671	6.436	280.4
49-50	158,984	61,438	176,785	133,834	8.229	358.5
50-51	119,176	211,727	65,789	130,088	7.999	348.4
10 Years' Average	112,854	92,450	67,936	90,334	5.554	242.0
1951-52	138,808	117,903	34,224	94,954	5.838	254.3
52-53	66,689	119,401	52,198	78,551	4.830	210.4
53-54	150,589	191,186	$174,\!483$	172,163	10.586	461.1
54-55	146,997	51,043	$61,\!512$	85,711	5.270	229.6
55-56	297,078	196,611	170,581	219,783	13.514	588.7
1956-57	270,840	282,972	130,293	224,882	13.827	602.3
57-58	51,346	27,288	$153,\!179$	79,720	4.902	213.5
58-59	92,307	111,916	50,039	83,634	5.142	224.0
59-60	241,291	85,976	33,306	117,388	7.218	314.4
60-61	248,750	57,145	39,214	112,591	6.923	301.6
10 Years' Average	170,470	124,144	89,902	126,938	7.805	340.0
60 Years' Average	136,042	91,236	66,278	96,833	5 954	259.4

River KRISHNA		Site VI	JAYAWADA		Month 1	NOVEMBER
77		Mean discha	rge (Cusecs)			of flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M A. F	
1901-02	23,511	9,758	7,462	13,577	0.808	35.2
02-03	53,429	40,326	13,926	35,894	2.136	93.0
03-04	56,756	48,673	23,568	42,999	2.559	111.5
04-05	23,368	9,506	5,445	12,773	0.760	33.1
05-06	14,246	5,853	3,413	7,837	0.466	20.3
1906-07	11,919	10,154	7,086	9,730	0.579	25.2
07-08	9,493	6,444	6,714	7,550	0.449	19.6
08-09	11,942	9,104	5,276	8,774	0.522	22.7
09-10	10,186	9,327	5,410	8,308	0.494	21.5
10-11	84,809	51,771	25,875	54,152	3.222	140.4
10 Years' Average	29,966	20,092	10,418	20,159	1.200	52.3
1911-12	10,359	6,356	5,382	7,366	0.438	19.8
12-13	31,310	11,653	11,398	18,120	1.078	47.0
13-14	11,689	7,100	4,869	7,886	0.469	20.4
14-15	12,073	16,904	8,796	12,591	0.749	32.6
15-16	50,042	52,446	20,666	41,051	2.443	106.4
1916-17	643,137	270,435	88,585	334,052	19.877	865.9
17-18	78,969	90,618	106,686	92,091	5.480	238.7
18-19	5,470	7,511	8,728	7,236	0.431	18.8
19-20	19,153	83,331	32,796	45,093	2.683	116.9
20-21	7,115	5,913	3,421	5,483	0.326	14.2
10 Years' Average	86,932	55,227	29,133	57,097	3.398	148.0
1921-22	81,723	36,882	8,708	42,438	2.525	110.0
22- 23	9,973	165,247	35,367	70,196	4.177	181.9
23-24	15,466	5,550	4,403	8,473	0.504	22.0
24-25	16,764	11,309	8,950	12,341	0.734	32.0
25-26	11,090	8,531	12,383	10,668	0.635	27.7
1926-27	9,776	7,036	5,639	7,484	0.445	19.4
$27-28 \dots$	42,451	62,020	26,817	43,762	2.604	113.4
28-29	47,534	15,524	8,838	23,966	1.426	62.1
29-30	12,766	10,636	9,167	10,856	0.646	28.1
30-31	84,177	52,576	15,964	50,906	3.029	131.9
10 Years' Average	33,172	37,531	13,624	28,109	1.673	72.9

SERIAL No. 8

River KRISHNA		Site VIJI	AYAWADA		Month NO	VEMBER	
Year -		Mean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1.10	11-20	21-30	W hole month	M. A. F.	T. M. C	
1931-32	72,029	71,879	33,875	59,261	3.526	153.6	
32-33	152,277	105,966	44,076	100,773	5.996	261.2	
33-34	52,887	37,656	49,493	45,012	2.678	116.7	
34-35	83,560	40,959	15,912	46,810	2.785	121.3	
35-36	64,399	23,260	10,746	32,802	1.952	85.0	
1936-37	277,54	43,221	48,102	39,692	2.362	102.9	
37-38	31,604	14,286	7,469	17,786	1.058	46.1	
38-39 , , ,	19,102	13,394	10,327	14,274	0.849	37.0	
39-40	78,027	22,524	18,296	39,616	2.357	102.7	
40-41	28,566	14,024	11,062	17,884	1.064	46.4	
10 Years' Average	61,021	38,717	24,436	41,391	2.463	107.3	
1941-42	7,607	5,082	4,499	5,729	0.341	14.8	
42-43	8,106	5,819	4,660	6,195	0.369	16.1	
43-44	41,254	25,123	18,323	28 ,233	1.680	73.2	
44-45	131,868	36,365	16,235	61,489	3.659	159.4	
45-46	11,621	11,524	6,525	9,890	0.588	25.6	
1946-47	18,091	67,346	61,649	49,029	2.917	127.1	
47-48	19,386	12,876	12,345	14,869	0.885	38.5	
48-49	38,125		108,536	68,729	4.090	178.1	
49-50	50,239	19,587	12,076	27,301	1.625	70.8	
50-51	31,147	22,562	10,249	21,319	1.269	55.3	
10 Years' Average	35,744	26,581	25,510	29,278	1.742	75.9	
1951-52	18,257	9,489	6,363	11,369	0.677	29.5	
52-53	13,541	6,657	3,781	7,993	0.476	20.7	
53-54	125,683	33,407	14,258	57,783	3.438	149.8	
54-55	30,755	12,189	9,202	17,382	1.034	45.1	
55-56	110,052	37,107	19,978	55,712	3.315	144.4	
1956-57	172,266	165,159	63,911	133,779	7.960	346.8	
57-58	79,964	37,364	35,976	51,101	3.041	132.5	
58-59	12,213	9,436	14,178	11,942	0.711	31.0	
59-60	19,169	17,909	25,069	20,716	1.233	-53.7	
60-61	21,541	22,202	16,176	19,973	1.188	51.8	
10 Years' Average	60,344	35,092	20,889	38,775	2.307	I00.5	
60 Years' Average	51,196	35.540	20,668	35,802	2.130	92.8	

River KRISHNA		Site VI	AYAWADA		Month DE	CEMBER
V		Mean discha	rge (Cusecs)		Volume o	of flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	$\frac{onth}{\mid T. M. C.}$
1901-02	4,458	2,783	2,299	3,152	0.194	8.4
02-03	9,734	71,962	29,442	36,800	2.263	98.6
03-04	30,302	17,480	7,723	18,154	1.116	48.6
04-05	3,588	2,881	2,679	3,037	0.187	8.1
05-06	2,603	2,205	1,958	2,246	0.138	6.0
1906-07	4,198	3,298	6,378	4,681	0.288	12.5
07-08	5,168	5,683	3,679	$4,\!806$	0.295	12.9
08-09	3,324	3,053	2,713	3 ,01 9	0.186	8.1
09-10	4,218	3,777	2,881	3,601	0.221	9.6
10-11	12,698	9,996	7,125	9,849	0.606	26.4
10 Years' Average	29	12,312	6,688	8,934	0.549	23.9
1911-12	4,892	6,869	4,517	5,397	0.332	14.5
12-13	12,500	8,930	5,784	8,9 65	0.551	24.0
13-14	3,524	2,643	2,693	2.945	0.181	7.9
14-15	6,664	ก,059	6,775	6,186	0.380	16.6
15-16	10,895	9,166	5,994	8,598	0.529	23.0
1916-17	5,2439	33,560	28,421	37,826	2.326	101.3
17-18	39,725	23,757	14,560	25,645	1.577	68.7
18-19	18,770	12,191	4,415	11,554	0.710	30.9
19-20	11,378	8,131	7,835	9 073	0.558	24.3
20-21	2,281	1,949	1,424	1,870	0.115	5.0
10 Years' Average	16,307	11,226	8,242	11,806	0.726	31.6
1921-22	5,880	4,171	$\frac{-}{2,761}$	4,222	0.260	11.3
22 - 23	3 9,769	13,562	4,197	18, 693	1.149	50.1
$23\overline{-}24$	3,056	1,996	1,838	2,282	0.140	6.1
24-25	5,519	3,757	3,140	4,107	0.253	11.0
25 - 26	6,038	3,900	4,638	4,852	0.298	13.0
1926-27	4,148	2,596	1,644	2,759	0.170	7.4
27- 28	9,353	5,008	4,031	6,063	0.373	16.2
28-29	6,780	6,004	3,934	5,520	0.339	14.8
29-30	5,174	3,644	3,046	3,925	0.241	10.5
30-31	8,831	5,015	3,177	5, 594	0.344	15.0
10 Years' Average	9,455	4,965	3,241	5,802	0.357	15.5

River KRISHNA		Site VIJ	AYAWADA		Month DF	CEMBEI
Year	-	Mean dischar	ge (Cusecs)			f flow for
(June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M.
1931-32	15,045	10,330	10,106	11,771	0.724	31.5
32-33	22,837	14,721	8,006	14,956	0.920	40.1
33-34	17,032	11,045	17,223	15.168	0.933	40.6
34-35	9,227	6,033	5,661	6,935	0.426	18.6
35-3 6	6,772	5,182	4,398	5,417	0.333	14.5
1936-37	13,682	5,257	4,245	7,616	0.468	20.4
37-38	4,609	3,208	2,783	3,509	0.216	9.4
38-39	6,213	4,448	3,551	4,699	0.289	12.6
39-40	8,354	4,912	3,474	5,512	0.339	14.8
40-41	9,295	9,120	6,999_	8,424	0.518	22.6
10 Years' Average	11,307	7,426	6,645	8,401	0.517	22.5
1941-42	3,747	3,172	1,751	2,853	0.175	7.6
42-43	3,439	3,645	3,089.	3,381	0.208	9.1
43-44	11,462	7,496	5,908	8,211	0.505	22.0
44-45	9,204	5,063	3,973	6,012	0.370	16.1
45-46 . , .	4,780	2,936	2,441	3,355	0.206	9.0
1946-47	25,308	11,098	6,785	14,151	0.870	37.9
47-48	6,468	6,375	5,949	6,254	0.385	16.8
48-49	59,363	18,219	11,149	28,983	1.782	77.6
49-50	8,416	5,630	4,155	6,005	0.369	16.1
50-51	6,326	4,432	4,163	4,947	0.304	13.3
10 Years' Average	13,851	6,807	4,936	8,415	0.517	22.5
1951-52	6,659	5,056	2,896	4,807	0.296	12.9
52-53	2,571	4,152	5,834	4,239	0.261	11.4
53-54	11,164	8,638	5,704	8,412	0.517	22.5
54-55	8,751	6,826	4,824	6,737	0.414	18.0
55-56	13,687	9,844	7,638	10,301	0.633	27.6
1956-57	54,882	23,991	17,322	31,590	1.942	84.6
$57-58 \dots$	16,405	11,166	8,613	<i>11,950</i>	0.735	32.0
$58-59 \dots$	9,342	8,463	5,106	7,55 6	0.465	20.2
59-60	10,883	8,637	6,533	8,615	0.530	23.1
60-61	9,829	8,847	10,084	9,603	0.590	25.7
10 Years' Average	14,417	9,562	7,455	10,381	0.638	27.8
60 Years' Average	12,228	8,716	6,201	8,956	0.551	24.0

River KRISHNA			A NO. 6 JAYAWADA		Month JANUARY			
Year [Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C.		
1901-02	1,900	1,621	1,400	1,632	0.100	4.4		
02-03	10,318	7,231	5,052	7,450	0.458	20.0		
03-04	5,081	3,557	2,302	3,603	0.222	9.7		
04-05	2,077	1,794	1,703	1,853	0.114	5.0		
05-06	1,720	1,397	1,535	1,550	0.095	4.2		
1906-07	16,247	5,080	2,872	7,899	0.486	21.2		
07-08	3,419	3,465	2,376	3,064	0.188	8.2		
08-09	2,592	2,322	2,023	2,303	0.142	6.2		
09-10	2,617	1,544		1,729	0.106	4.6		
10-11	5,586	4,675	4,031	4,740	0.291	12.7		
10 Years' Average	5,156	3,269	2,438	3,582	0.220	9.6		
1911-12	1;349	762	$-\frac{1}{209}$	755	0.047	2.0		
12-13	4,535	2,846	823	2,673	0.164	7.2		
13-14	669	Nil	Nil	216	0.013	0.6		
14-15	10,018	6,162	8,849	8,360	0.514	22.4		
15-16	5,616	6,054	4,061	5,205	0.320	13.9		
1916-17 ,	23,681	18,654	12,913	18,238	1.121	48.8		
17-18	9,865	8,548	8,339	8,899	0.547	23.8		
18-19	2,430		1,382	1,706	0.104	4.6		
19-20	4,312	3,458	3,113	3,611	0.222	9.7		
20-21	1,124	910	1,031	1,022	0.063	2.7		
10 Years' Average	6,360	4,873	4,072	5,068	0.312	13.6		
1921-22	3,030	4,360	3,127	3,493	0.215	9.4		
22 - 23	3,323	2,205	1,587	2,346	0.144	6.3		
23-24	1,241	1,138	855	1,071	0.066	2.9		
24-25	2,399	1,476	1,176	1,6 67	0.102	4.5		
25-26	2,905	1,667	1,357	1,956	0.120	5.2		
1926-27	1,299	1,086	856	1,073	0.066	2.9		
27-28	3,514	2,065	1,450	2,314	0.142	6.2		
28-29	3,854	2,811	2,156	2,915	0.179	7.8		
29-30	1,704	1,175	763	1,199	0.074	3.2		
30-31	2,793	2,336	1,423	2,160	0.133	5.8		
10 Years' Average	2,606	2,032	1,475	2,019	0.124	5.4		

ver KRISHNA		Site VIJA	AYAWADA		Month]	ANUARY
Year		Mean discharg		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M A.F.	T. M. C
1931-32	7,266	3,898	3,432	4,819	0.296	12.9
32-33	6,774	5,025	4,119	5,268	0.324	14.1
33-34	15,369	6,872	4,963	8,9 36	0.549	23.9
34-35	4,407	3,744	3,074	3,720	0.229	10.0
35-36	(3,135)	(3,135)	(3,135)	3,135	0.193	8.4
1936-37	3,197	2,678	1.799	2,534	0.156	6.8
37-38	2,539	1,729	1,355	1,858	0.114	5.0
38-39	3,936	3,322	2,382	3,187	0.196	8.5
39-40	2,506	2,159	1,714	2,114	0.130	5.7
40-41	4,604	5,434	6,977	5,714	0.351	15.3
10 Years' Average	5,373	3,800	3,295	4,128	0.254	11.1
1941-42	1,518	2,099	1,660	1,756	0.108	4.7
42-43	9,454	4,866	3,682	5,926	0.364	15.9
43-44	5,789	4,934	4,576	5,083	0.313	13.6
44-45	3,152	2,462	2,260	2,612	0.161	7.0
45-46	1,958	1,677	1,616	1,746	0.107	4.7
1946-47	4.141	6,597	3,659	4,762	0.293	12.8
47-48	4,648	3,133	2,675	3,459	0.213	9.3
48-49	6,922	4,798		5,366	0.330	14.4
49-50	3,900	3,675	3,545	3,701	0.228	9.9
50-51	3,281	2,712	2,022	2,651	0.163	7.1
10 Years' Average	4,476	3,695	3,016	3,706	0.228	9.9
1951-52	1,808	1,111	1,211	1,371	0.084	3.7
52-53	1,719	1,138	834	1,217	0.075	3.3
53-54	5,645	4,706	4,369	4,889	0.301	13.1
54-55	6,409	5,198	3,365	4,938	0.304	13.2
55-56	5,481	5,235	5,334	5,350	0.329	14.3
1956-57	11,980	10,462	9,002	10,434	0.642	27.9
57- 58	6,506	5,328	4,505	5,416	0.333	14.5
58-59	5,365	3 ,589	4,031	4,319	0.266	11.6
59-60	5,406	5,301	7,344	6,060	0.373	16.2
60-61	7,505	4,447	4,128	5,320	0.327	14.2
10 Years' Average	5,782	4,652	4,412	4,931	0.303	13.2
60 Years' Average	4,959	3,720	3,118	3,906	0.240	10.5

SERIAL No. 8

River KRISHNA		Site V	IJAYAWADA		Month FI	BRUARY
Year		Mean discha	1	Volume of flow for the month		
(June to May)	1-10	11-20	21-28/29	Whole month	M.A.F.	T, M, C
1901-02	1,186	1,527	922	1,233	0.068	3.0
02-03	2,667	2,166	1,505	2,156	0.120	5.2
03-04	2,032	1,704	1,556	1.774	0.102	4.4
04-05	806	216	201	423	0.023	1.0
05-06	1,904	2,557	1,468	2,013	0.112	4.9
1906-07	1,843	1,610	1,392	1,631	0.091	3.9
07-08	1,730	1,439	1,245	1,483	0.085	3.7
08-09	1,637	1,507	1,346	1,508	0 084	3.6
09-10	186	Nil 📨	Nil	67	0.004	0.2
10-11	2,928	2,471	1,597	2,385	0.132	5.8
10 Years' Average	1,692	1,520	1,123	1,467	0.081	3.5
1911-12	Nil	Nil	Nil	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil	Nil
12 - 13	637	54	Nil	247	0.014	0.6
13-14	Nil	Nil	Nil	Nil	Nil	Nil
14-15	5,555	2,672	•2,282	3,590	0.199	8.7
15-16	2,770	2,319	2,657	2,579	0.148	6.5
1916-17	12,397	11,677	7,820	10,832	0.602	26.2
17-18	6,329	4,734	3,866	5,056	0.281	12.2
18-19	1,025	640	386	706	0.039	1.7
19-20	2,718	2,039	1,554	2,123	0.122	5.3
20-21	695	620	535	622	0.035	1.5
10 Years' Average	3,213	2,476	1,910	2,576	0,143	6,2
1921-22	1,515	1,313	1,013	1,299	0.072	3.1
22-23	1,299	1,067	903	1,103	0.061	2.7
23-24	594	399	31 9	441	0.025	1.1
24-25	889	682	492	702	0.039	$1.\bar{7}$
25-26	1,772	2,782	1,340	2,009	0.112	4.9
1926-27	574	575	318	501	0.02	1.28
27-28	1,284	2,358	1,633	1,763	0.101	4.4
28-29	1,790	1,811	1,547	1,728	0.096	4.2
2 9- 3 0	367	243	116	251	0 014	$0.\overline{6}$
30-31	916	531	$\boldsymbol{227}$	582	0.032	1.4
10 Years' Average	1,100	1,176	791	1,038	0.058	2.5

River KRISHNA		Site VI	Month FEBRUARY			
		Mean aischa	rge (Uusecs)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C
1931-32	2,393	1,683	2,838	2,286	0.131	5.7
32-33	3,464	2,768	2,349	2,897	0.161	7.0
33-34	4,460	3,305	2,601	3,516	0.195	8.5
34-35	3,863	3,748	2,141	3,330	0.185	8.1
35-36	(3,708)	(3,708)	(3,708)	3,708	0.213	9.3
1936-37	1,592	2,186	3,398	2,320	0.129	5.6
37-38	1,060	825	528	824	0.046	2.0
38-39	2,141	1,351	1,108	1,564	0.087	3.8
39-40	1,283	964	785	1,027	0.059	2.6
40-41	4,626	3,131	1,986	3,338	0.185	8.1
10 Years' Average	2,859	2,367	2,144	2,481	0.139	6.1
1941-42	1,415	1,146	1,192	1,255	0.070	3.0
42-43	3,125	2,400	1,983	2,540	0.141	6.1
43-44	3,644	2,664	2,222	2,865	0.165	7.2
44-45	1,796	1,447	1,028	1,452	0.081	3.5
45-46	841	818	737	803	0.045	1.9
1946-47 · · ·	2,583	2,166	1,778	2,204	0.122	5.3
47-48	2,143	1,587	1,355	1,706	0.098	4.3
48-49	3,674	2,950	2,251	3,009	0.167	7.3
49-50	2,684	2,107	1,692	2,195	0.122	5.3
50-51	1,652	1,320	1,057	1,363	0.076	3.3
10 Years' Average	2,356	1,861	1,530	1,939	0.109	4.7
1951-52	1,220	794	714	916	0.053	2.3
52-53	840	457	427	<i>585</i>	0.032	1.4
53-54	3,359	3,135	4,492	3, 603	0.200	8.7
54-55	5,066	4,598	4,798	4,822	0.268	11.7
55-56	5,255	4,756	4,151	4,740	0.273	11.9
1956-57	7,659	7,967	6,242	7,364	0.409	17.8
57-58	4,075	5,432	5,538	4,978	0.276	12.0
58-59	5,625	7,960	6,598	6,737	0.374	16.3
59-60	6,893	7,295	7,173	7,119	0.409	17.8
60-61	7,091	7,326	5,249	6,648	0.369	16.1
10 Years' Average	4,708	4,972	4,538	4,751	0.266	11.6
60 Years' Average	2,655	2,395	2,006	2,375	0.133	5.8

SERIAL No. 8

River KRISHNA		Site VIJA	YAWADA		Month	MARCH
- 1-		Mean dischar	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	W hole month	$\frac{the \ mo}{M. \ A. \ F.}$	T, M, C
1001.08	634	602	585	606	0.037	1.6
1901-02	1,189	1,081	891	1,048	0.064	2.8
02-03	1,160	1,024	649	935	0.057	2.5 2.5
04-05	137	145	175	153	0.009	0.4
05-06	1,275	968	590	933	0.057	2.5
1906-07	1,347	880	1,190	1,141	0.070	3.1
97-08	1,204	789	654	875	0.054	2.3
08-09	1,260	1,092	813	1,047	0.064	2.8
09-10	Nil	Nil fi	Nil	Nil	Nil	Nil
10-11	705	735	846	764	0.047	2.0
10 Years' Average	891	732	639	750	0.046	2.0
1911-12	Nil	Nil	3779	3	Nil	Nil
12-13	Nil	Nil	Nil	Nil	Nil	Nil
13-14	Nil	Nil	Nil	Nil	Nil	Nil
14-15	5,683	4,934	2,899	4,465	0.275	12.0
15-16	3,461	2,873	301	2,140	0.132	5.7
1916-17	5,269	3,131	2,983	3,768	0.232	10.1
17- 18	3,200	1,455	1,643	2,083	0.128	5.6
18-19	267	94	243	203	0.012	0.5
19-20	861	403	215	4 8 4	0.030	1.3
20-21 ,	639	536	577	<i>584</i>	0 036	1.6
10 Years' Average	1,938	1,346	887	1,373	0.084	3.7
1921-22 , , ,	676	301	69	340	0.021	0.9
22-2 3	2,005	1,484	1,078	1,508	0.093	4.0
23-24	242	160	40	144	0.009	0.4
24 -25	393	340	305	345	0.021	0.9
25-26	1,635	2,760	341	1,539	0.095	4.1
1926-27	2 22	207	213	214	0.013	0.6
27-28	1,179	716	660	<i>846</i>	0.052	2.3
28-29	1,235	925	915	1,021	0.063	2.7
29-30	Nil	Nil	421	149	0.009	0.4
30-31	114	572	204	294	0.018	0.8
10 Years' Average	770	746	425	640	0.039	1.7

SERIAL No. 8

River KRISHNA

Site VIJAYAWADA Month MARCH

**		Mean disch	arge (Cusces)		Volume o	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1931-32	1,324	1,233	998	1,179	0.072	3.2
32-33	2,293	1,898	1,279	1,80 6	0.111	4.8
33-34	2,211	1,876	1,626	1,89 6	0.117	5.1
34-35	1,500	1,310	730	1,166	0.072	3.1
35-36	(1,735)	(1,735)	(1,735)	1,735	0.107	4.6
1936-37	1,494	819	641	974	0.060	2.6
37-38	362	148	139	214	0.013	0.6
38-39	644	437	671	587	0.036	1.6
39-40	519	338	519	461	0.028	1.2
40-41	1,576	918	426	956	0.059	2.6
10 Years' Average	1,366	1,071	876	1,097	0.068	2.9
1941-42	1,203	1,210	323	891	0.055	2.4
42-43	575	585	748	640	0.039	1.7
43-44	1,867	1,644	3,853	2,500	0.154	6.7
44-45	804	744	722	755	0.046	2.0
45-46	653	757	552	651	0.040	1.7
1946-47	1,016	951	1,341	1,110	0.068	3.0
47-48	1,147	760	944	950	0.058	2.5
48-49	1,667	1,295	955	1,294	0.080	3.5
49-50	1,270	1,089	1.032	1,127	0.069	3.0
50-51	767	603	667	679	0.042	1.8
10 Years' Average	1,097	964	1,114	1,060	0.065	2.8
1951-52	558	450	446	484	0.030	1.3
52-53	133	138	158	143	0.009	0.4
53-54	4,044	6.388	7,700	6,097	0.375	16.3
54-55	6,124	6,011	6,065	6,067	0.373	16.2
55-56	3,932	3,686	3,347	3,645	0.224	9.8
1956-57	7,394	8,097	6,807	7,413	0.456	19.9
57-58	4,706	4,088	3,212	3,976	0.244	10.6
58-59	4,681	3,685	3,423	3,913	0.241	10.5
59-60	7,039	6,971	7,496	7,179	0.441	19.2
60-61	5,026	5,438	4,444	4,952	0.304	13.3
10 Years' Average	4,364	4,495	4,310	4,386	σ.270	11.7
60 Years' Average	1,738	1,559	1,375	1,551	0.095	4.2

River KRISHNA		Site VIJ.	AYAWADA		Month	APRIL
Year		Mean dischar		Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1901-02	517	190	192	299	0.018	0.8
02-03	680	642	50 9	610	0.036	1.6
03-04	473	388	361	407	0.024	1.1
04-05	57	109	121	96	0.006	0.2
05-06	236	135	122	164	0.010	0.4
1906-07	1,074	583	870	841	0.050	2.2
07-08	905	734	550	729	0.043	1.9
08-09	1,426	823	1,064	1,104	0.066	2.9
09-10	626	253	119	333	0.020	0.9
10-11	674	477	247	466	0.028	1.2
10 Years' Average	667	433	416	505	0.030	1.3
1911-12	137	Nil	Nil	46	0.003	0.1
12-13	288	472	112	<i>291</i>	0.017	0.8
13-14	730	2,313	135	1,059	0.063	2.7
14-15	1,231	508	389	709	0.042	1.8
15-16	481	245	192	306	0.018	0.8
1916-17	2,051	2,563	1,902	2,172	0.129	5.6
17-18	1,168	1,305	901	1,125	0.067	2.9
18-19	947	Nil	380	442	0.026	1.1
19-20	77	766	260	368	0.022	1.0
20 -21	Nil	Nil	113	38	0.002	0.1
10 Years' Average	711	817	438	656	0.039	1.7
1921-22	97	165	68	110	0.007	0.3
22-23	1,058	2,228	1,701	1,662	0.099	4.3
23-24	52	Nil	Nil	17	0.001	Nil
24-25	363	356	1,896	871	0.052	2.3
25-26	1,226	876	169	757	0.045	2.0
1926-27	185	Nil	Nil	62	0.004	0.2
27-28	767	716	558	680	0.040	1.8
28-29	701	640	608	650	0.039	1.7
29-30	237	256.	144	212	0.013	0.6
30-31	314	261	150	253	0.015	0.7
10 Years' Average	500	550	529	527	0.031	1.4

River KRISHNA		Site VIJ	AYAWADA		Moni	A APRIL
		Mean discha		Volume of flow for		
Year (June to May)	1-10	11-20	21-30	Whole	the mos	· · · · · · · · · · · · · · · · · · ·
				month	M. A. F.	T. M. C
1931-32	930	661	726	776	0.046	2.0
32-33	1,088	1,218	6,290	2,865	0.170	7.4
33-34	1,137	1,110	1,595	1,281	0.076	3.3
34-35	1,177	2,699	1,610	1,829	0.109	4.7
3 5-36	1,934	2,904	1,098	1,979	0.118	5.1
1936-37	576	3,145	17,836	7,186	0.428	18.6
37-38	756	2,847	1,317	1,640	0.098	4.3
38-39 . , ,	537	302	249	362	0.022	0.9
	314	261	275	284	0.017	0.7
39-40 40-41	160	397	292	283	0.017	0.7
10 Years' Average	861	1,554	3,129	1,849	0.110	4,8
1941-42	467	224	276	322	0.019	0.8
	138	231	83	150	0.009	0.4
42-43		1,339	760	1,686	0.100	4.4
43-44	2,958		1,287	918	0.055	2.4
44-45	$\begin{array}{c} 282 \\ 133 \end{array}$	1,184 371	379	294	0.017	0.8
	000	112	Nil	159	0.009	0.4
1946-47	366			1,265	0.075	3.3
47-48	911	1,092	1,791	436		
48-49	886	420			0.026	1.1
49-50	971	538	Nil	503	0.030	1.3
50-51	2,076	1,033	Nil	1,036	0.062	2.7
10 Years' Average	919	654	458	677	0.040	1.8
1951-52	249	282	168	233	0.014	0.6
52453	145	269	1,234	549	0.033	1.4
53-54	6,572	1,593	1,572	3,245	0.193	8.4
54-55	6,174	4,789	2,350	4,438	0.264	11.5
55-56	5,032	5,465	5,187	5,228	0.311	13.6
1058 57	6,645	6,201	5,5 9 5	6,117	0.364	15.9
1956-57	4,713	3,801	3,824	4,113	0.245	10.7
57-58		6,022	5,680	5,58 9	0.333	14.5
58-59	5,067	4,651	4,297	4,956	0.295	12.8
59-60 60-61	5,918 3,870	5,468	4,162	4,500	0.268	11.7
10 Years Average	4,438	3,854	3,398	3,897	0.232	10.1
60 Years' Average	1,349	1,310	1,395	1,352	0.080	3.5

SERIAL No. 8

River KRISHNA		Site VI	Мо	nth MAY		
Year (June to May)		Mean discha	Volume of flow for the month			
	1-10	11-20	21-31	Whole month	M. A. F.	T. M.
1901-02	143	310	753	413	0.025	1.1
02-03	421	641	865	650	0.040	1.7
03-04	311	279	989	<i>541</i>	0.033	1.4
04-05	73	421	1,508	694	0.043	1.9
05-06	108	48	Nil	· 51	0.003	0.1
1906-07	14,388	4,866	1,747	6,831	0.420	18.3
07-08	Nil	62	307	123	0.008	0.3
08-09	68 6	662	3,291	1,603	0.099	4.3
09-10	31	Nil	Nil	10	0.001	Nil
10-11	149	104	15 9	138	0.008	0.4
10 Years' Average	1,631	739	962	1,105	0.068	3.0
1911-12	Nil	2,175	847	1,002	0.062	2.7
12-13	Nil	Nil	1,426	506	0.031	1.4
13-14	167	272	40	<i>156</i>	0.010	0.4
14-15	690	942	4,590	2,155	0.133	5.8
15-16	113	57	74	81	0.005	0.2
1916-17	1,504	1,297	956	1,243	0.076	3.3
17-18	512	1,155	20,678	7,875	0.484	21.1
18-19	1,820	4,106	841	2,210	0.136	5.9
19-20	9	30	849	314	0.019	0.8
20-21	1,754	640	122	816	0.050	2.2
10 Years' Average	657	1,067	3,042	1,636	0.101	4.4
1921-22	61	38	1,373	519	0.032	1.4
22-23	727	457	50 0	559	0.034	1.5
$23-24 \dots$	Nil	236	105	113	0.007	0.3
24-25	1,373	39,608	15,565	18,743	1.152	50.2
25-26	182	377	2,891	1,206	0.074	3.2
1926-27	Nil	Nil	163	58	0.004	0.2
27-28	436	82	958	507	0.031	1.4
28-29	1,790	4,672	2,650	3,025	0.186	8.1
29-30	138	Nil	Nil	44	0.003	0.1
30-31	Nil	Nil	9:4	328	0.020	0.9
10 Years' Average	471	4,547	2,513	2,510	0.154	6.7

River KRISHNA		Site VIJ		Month MAY		
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21 -3 1	W hole month	M. A. F.	T. M. C
1931-32	128	253	707	374	0.023	10
32-33	3,945	8,229	21,829	11,673	0.718	31.3
33-34	2,500	606	358	1,129	0.069	3.0
34-35	807	460	20	416	0.026	1.1
35-36	607	Nil	3,504	1,439	0.088	3.9
1936-37	12,424	3,009	1,222	5,412	0.333	14.5
37-38	724	414	151	421	0.026	1.1
38-39	83	Nil	Nil	27	0.002	0.1
39-40	426	2,336	75,423	27,654	1.700	74.1
40-41	2 2	_508	1,856	829	0.051	2.2
10 Years' Average	2,167	1,582	10,507	4,937	0.304	13.2
1941-42	569	681	519	588	0.036	1.6
42-43	29	70	61,708	21,928	1.348	58.7
43-44	642	344	220	396	0.024	1.1
44-45	947	602	66	523	0.032	$\tilde{1}.\tilde{4}$
45-46	422	310	377	376	0.023	1.0
1946-47	Nil	44	27	23	0.001	0.1
47-48	1,775	8,256	6,496	5,540	0.341	14.8
48-49	Nil	-Nil	304	108	0.007	0.3
49-50	Nil	Nil	514	182	0.011	0.5
50-51	Nil	Nil	306	108	0.007	0.3
10 Years' Average	438	1,030	7,054	2,977	0.183	8.0
1951-52	95	Nil	104,901	37,253	2.291	99.8
52-53	Nil	Nil	211	75	0.005	0.2
<i>5</i> 3- <i>5</i> 4	1,998	1,416	2,188	1,878	0.115	5.0
54-55	4,544	2,510	14,097	7,278	0.448	19.5
<i>55-</i> 56	6,699	6,185	7,423	6,790	0.418	18.2
1956-57	5,642	3,191	6,256	5,069	0.312	13.6
57-58	5,637	8,693	9,842	8,114	0.499	21.7
58-59	4,932	7,805	6,979	$6,\!585$	0.405	17.6
59-60	5,457	5,568	12,659	8,048	0.495	21.6
60-61	3,856	8,856	10,859	7,954	0.489	21.3
10 Years' Average	3,886	4,422	17,542	8,904	0.548	23.8
60 Years' Average	1,542	2,231	6,937	3,678	0.226	9.9

River KOYNA			KEWADI		Mon	
Year		Mean dischar	ge (Cusecs)		Volume of the mor	f flow for rth
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C
1040 50	200	o	1 100	600	0.040	4.0
1949-50	590	254	1,196	680	0.040	1.8
50-51	(Nil)	110	305	138	0.008	0.4
		16	10.004	4 9 9 79	0.258	11.2
1951-52	(Nil)	110	12,094	4,337	V. 2 38	11.2
52-53	116	424	5,791	2,110	0.126	5.5
53-54	(Nil)	719	18,035	6,251	0.372	16.2
54-55	391	1,137	1,665	1,065	0.063	2.8
55-56	317	344	9,723	3,461	0.206	9.0
		नवाप	न नयन			
1956-57	525	1,482	9,064	3,690	0.220	9.6
57-58	195	400	8,504	3,033	0.180	7.9
58-5 9	(Nil)	124	6,320	2,148	0.128	5.6
<i>5</i> 9-60	482	614	6,557	2,551	0.152	6.6
60-61	451	1,394	13,583	5,143	0.306	13.3
12 Years' Average	256	660	7,736	2,884	0.172	7.5

River KOYNA	Site JALKEWADI				Month JULY	
Year		Mean discharg	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1949-50	4,010	28,588	13,418	15,276	0.939	40.9
50-51	1,957	31,128	35,655	23,325	1.434	62.5
1951-52 ,	3,439	6,282	26,649	12,592	0.774	33.7
52-53	3,569	14,503	38,132	19,360	1.190	51.9
53-54	33,275	13,546	4,924	16,851	1.036	45.1
54-55	24,991	38,967	8,198	23,541	1.447	63.1
55-56 ,	16,842	12,198	9,665	12,797	0.787	34.3
		নদ্যম্ব	नयन			
1956-57	34,835	24,977	20,139	26,440	1.626	70.8
57-58	12,708	33,368	13,707	19,727	1.213	52.8
58-59	21,231	47,530	15,423	27,654	1.700	74.1
59-60 . , .	33,404	67,933	34,478	44,923	2.762	120.3
60-61	34,561	5,926	20,738	20,419	1.256	54.7
12 Years' Average	18,735	27,072	20.094	21,909	1 347	58.7

River KOYNA		Site JA	LKEWADI		Month	AUGUST
Year -	<u> </u>	Iean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50	24,752	10,177	3,794	12,614	0.776	33.8
50-51	15,484	6,558	1,615	7,684	0.472	20.6
1951-52	25,160	11,616	7,402_	14,490	0.891	38.8
52-53	23,698	12,440	8,649	14,727	0.906	39.4
53-54	26,350	30,256	8,924	21,426	1.317	57.4
54-55	34,540	12,966	3,854	16,692	1.026	44.7
55-56	14,194	17,424	19,228	17,022	1.047	45.6
		ন্ত্ৰ	वेद जयन			
1956-57	40,118	20,377	6,168	21,703	1.334	58.1
57-58	17,483	14,507	17,798	16,635	1.023	44.6
58-59 - : .	8,534	12,546	18,694	13,433	0.826	36.0
59-60	17,335	6,927	19,540	14,760	0.908	39.5
60-61	23,824	15,526	8,508	15,713	0.966	42.1
12 Years' Average	22,623	14,277	10,348	15,575	0.958	41.7

River KOYNA		Site JA	LKEWADI		Month SEP	TEMBER	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T M. C	
1949-50 . ,	6,438	4,151	11,749	7,446	0.443	19.3	
50-51	9,183	4,851	3,918	5,984	0.356	15.5	
		10	an .				
1951-52	2,692	1,826	≃ 636	1,718	0.102	4.5	
52-53	2,521	1,012	603	1,379	0.082	3.6	
53-54	3,830	3,184	1,500	2,838	0.169	7.4	
54-55	14,266	8,128	6,967	9,787	0.582	25.4	
5 5-5 6	23,799	2,852	2,569	9,740	0.580	25.2	
		स्यार	व नयने				
1956-57	5,842	2,820	4,498	4,387	0.261	11.4	
57-58	2,949	5,883	1,754	3,528	0.210	9.1	
58-59	11,937	6,540	1,951	6,810	0.405	17.7	
5 9-60	23,042	7,414	3,697	11,385	0.677	29.5	
69-61	4,328	2,919	4,080	3,776	0.225	9.8	
12 Years' Average	9,236	4,298	3,660	5,732	0.341	14.9	

River KOYNA		Site JALKEWADI		Month OCTOBER		
Year		Mean discha	rge (Cusecs)	1	Volume of the mo	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1949-50	2,128	784	507	1.120	0.069	3.0
50-51	2,727	1,763	587	1,657	0.102	4.4
1951-52	(700)	(550)	(350)	(527)	(0.032)	(1.4)
52-53	724	559	358	5 41	0.033	1.4
53-54	2,086	1,374	787	1,396	0.086	3.7
54-55	3,269	1,166	962	1,772	0.109	4.7
55-56	14,980	1,679	1,579	5,934	0.365	15.9
		নতা	मेब नयन			
1956-57	5,496	2,554	1,093	2,985	0.184	8.0
57-58	1,160	803	907	955	0.059	2.6
58-59	1,629	1,224	936	1,299	0.080	3.5
59-60	2,369	2,753	1,369	2,138	0.131	5.7
60-61	2,384	1,680	1,057	1,686	0.104	4.5
2 Years' Average	3,304	1,407	874	1,834	0.113	4.9

		LKEWADI		Month NO	VEMBER
	Mean discha	irge (Cusecs)		Volume	of flow for
1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
297	22 3	192	238	0.014	0.6
		i.			
	6				
161	114	76	110	0.007	0.3
326	194	178	233	0.014	0.6
	É	यम्ब नयन			
376	182	134	231	0.014	0.6
	297 161 326	Site JA Mean dische 1-10 11-20 297 223 161 114 326 194	Mean discharge (Cusecs) 1-10 11-20 21-30	Mean discharge (Cusecs) 1-10 11-20 21-30 Whole month	Site JALKEWADI Month NC

River KOYNA	NA Site JAIKEWADI			Month DECEMBER		
Year		Mean asc	harge (Cusecs))	Volume	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A F.	month T. M. C.
1949-50	157	141	126	141	0.009	0.4
1951-52	66 51	56 ⁻ 37	47 26	57 38	0.004 0.002	0.2 0.1
53-54	99	68 (1) (2) (2)	80 19 नयन	71	0.004	0.2
1956-57						
60-61	121	13	Nil	48	0.003	0.1

SERIAL No. 9

River KOYNA		Site JAI	LKEWADI		Month	JANUAI
77		Mean disch	arge (Cusecs)		Volume	of flow
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M
1949-50 50-51	105	91	78	91	0.006	0.2
1951-52 ,	3 7	27	16	26	0.002	0.1
52-53	18	15	9	14	0.001	Nil
53-54	37	21	9	22	0.001	0.1
54-55		\$				
55-56						
		हिन्दीर सन्तर्भ	<u>। जन्म</u> व जयन		Month FEB	RUARY
-		Mean discha	rge (Cusecs)		Volume	of flow for
Year (June to May)	1-10	11-20	21-28 29	$Whole \\ month$	M. A. F.	T. M.
1949-50 50-51	14	12	9	12	0.001	Nil
1951-52	14	12	10	12	0.001	Nil
52-53	5	3	3	4	Nil	Nil

2

3

Nil

Nil

2

5

53-54 . . .

River KOYNA		Site JAL	KEWADI		Month	MARCH		
Year	M	ean discharge	(Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.			
1949-50	6	7	3	6	Nil	Nil		
50-51								
1951-52	7	8	7	8	Nil	Nii		
52-53	2			1	Nil	Nil		
53-54	1	18	6	8	Nil	Nil		
	Tronge de la constante de la c				Month	APRIL		
Year		Mean discha	Volume the m	of flow for				
(June to May)	1-10	.11-20	21-30	Whole month	M. A. F.			
1952-53	Nil	12	10	7	Nil	NiI		
53-54	1	Nil	Nil	1	Nil	Nil		
					Mon	th MAY		
(Mean discho	rge (Cusecs)		Volume	of flow for		
$Year \ (June \ to \ May)$	1-10	11-20	21-31	Whole month	M. A. F.			
1953-54	1,	4	1	2	Nil	Nil		

VOLUME OF ANNUAL FLOW

SERIAL No. 10

1906 07 08 09 10 1911 12 13 14 15 1916 17 18 19 20 1921 .1.22to30.4.2 1922-23 23-24 24-25 25-26	Volume of Flow					
	M. A. F.	T. M. C.				
1906	2.723	118,6				
	3,988	173.7				
	4,334	188.8				
-	4.084	177.9				
	3.845	167.5				
1911	2.484	108.2				
12	4.054	176.6				
13	3.496	152.3				
14	5.429	-236.5				
15	3.088	134.5				
1916	3,207	139.7				
17	2.996	130.5				
18	1.359	59.2				
	3.375	147.0				
20	3.033	132.1				
1921	3.085	134,4				
.22to30.4,25	2* 0.002	0.1				
922-23	3.935	171.4				
	4.116	179.3				
	3.019	131.5				
25-26	2.824	123.0				
20 Years' Average	3.424	149.1				

^{*} Not considered for calculating the average.

NOTE:—The figures for the years 1906 to 1919 are the volumes of flow for seven months only (June to December). The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position

River YERLA		Site YE	RALWADI		Month JUNE	
**		Mean dischar	Volume of the mor			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1912-13						
13-14	566	83	54	235	0.014	0.6
14-15	(Nil)	14	2	5	Nil	Nil
15-16	12	23	32	22	0.001	0.1
1916-17	134	14.	2	50	0.003	0.1
17-18		1.2				
18-19	•					
19-20	219	52	46	106	0.006	0.3
20-21	112	64	59	78	0.005	0.2
1921-22	12	32	व मार्च 2	15	0.001	Nil
22-23	Nil	186	395	194	0.012	0.5
23-24	48	165	Nil	119	0.007	0:3
24-25	42	2	Nil	15	0.001	Nil
25-26	Nil	Nil	78	26	0.002	0.1
1926-27	21	1	34	19	0 001	Nil
12 Years' Average	97	53	59	74	0.004	0.2

River YERLA		Site	YERALWAD	i	Mo	nth JULY
Year	*	Mean disch	arge (Cusecs)		Volume of the me	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1912-13						
13-14	143	56	128	110	0.007	0.3
14-15	2	6	382	<i>138</i>	0.008	0.4
15-16	28	21	71	41	0.003	0.1
1916-17	30	26,	122	61	0.004	0.2
17-18						
18-19		19.				
19-20	44	31	35	37	0.002	0.1
20-21	68	82	77	76	0.005	0.2
1921-22	168	212	646	351	0.022	0.9
22-23	4	373	1411 ज्यन 830	416	0.026	1.1
23-24 :	36	694	221	314	0.019	8.0
24-25	57	110	86	8 6	0.005	0.2
25-26	Nil	Nil	Nil	Nil	Nil	Nil
1926-27	18	4	2	6	Nil	Nil
12 Years' Average	50	135	217	136	0.008	0.4

River YERLA		Site \	'ERALWADI		Month	AUGUST
Year		Mean disc	harge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1912-13						
13-14	146	52	3 8	77	0.005	0.2
14-15	498	140	5 8	226	0.014	0.6
15-16	76	51	37	54	0.003	0.1
1916-17	56	37.	27_	40	0.002	0.1
17-18						
18-19		1				
19-20 ,	32	Nil	Nil	I	Nil	Nil
20-21	149	95	70	104	0.006	0.3
1921-22	306	187	비타 무坦ન 119	202	0.012	0.5
22-23	505	91	97	227	0,014	0.6
23 -2 4	67	30	21	41	0.00,3	0.1
24-25	114	31	2,212	832	0.051	2.2
25-26	54	7	2	20	0.001	0.1
1926-27	89	14	11	12	0.001	Nil
12 Years' Average	168	61	241	153	0.009	0.4

<u></u>	Mean discharge (Cusecs)				Volume of flow for	
Year (June to May)	1-10	11-20	21-30	W hole month	M. A. F.	$\frac{onth}{\mid T. M. C}$
<u> </u>	,					
1912-13						
13-14	20	17	112	50	0.003	0.1
14-15	60	63	803	273	0.016	0.7
15-16	37	51	1,738	609	0.036	1.6
		1. *				
1916-17	318	91	41	150	0.009	0.4
17-18						
18-19			50/ f			
19-20	Nil	98	744	281	0.017	0.7
20-21	64	157	211	144	0.609	0.4
1921-22	27	198	न नयने ₁₆₉	131	0.008	0.3
22-23	85	85	232	134	0.008	0.3
23-24	232	1,187	148	522	0.031	1.4
24-25	168	597	1,919	895	0.053	2.3
25- 26	1,	119	291	137	0.008	0.4
1926-27	Ĝ	80	29	38	0.002	0.1
12 Years' Average	85	229	536	280	0.017	0.7

River YERLA		Site YERA	LWADI			OCTOBER
Year -	Mean discharge (Cusecs)				Volume the m	of flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1912-13	_	-				
13-14	5	210	13	74	0.005	0.2
14-15	196	34	26	97	0 006	0.3
15-16	201	109	176	127	0.008	0.3
		i i eta				
1916-17	25	618	1,117	604	0.037	1.6
17-18		1	S) f			
18-19		111	n lin de			
19-20	157	99	98	117	0.007	0.3
20-21	334	65	5.	130	0.008	0.3
		ন্ত্ৰম্	। स्यनि			
1921-22	377	226	116	236	0.015	0.6
22-23	3 5	75	417	183	0.011	0.5
23-24	75	289	126	162	0.010	0.4
24-25	37	968	20	<i>331</i>	0.020	0.9
25-26	134	109	18	85	0.005	0.2
1926-27	106	23	11	46	0.003	0.1
12 Years' Average	140	235	179	183	0.011	0.5

SERIAL No. 11

River YERLA		Site YERA	LWADI		Month NO	VEMBER
Year		Mean discha		Volume of flow for the month		
(June to May)	1-10	11-20	21-30	$Whole \ month$	M.A.F.	T. M. C
1912-18	***************************************					
13-14	6	4	3	4	Nil	Nil
14-15	20	16	11	17	0.001	**
15-1 6	58	44	40	47	0.003	0.1
1916-17	138	86	63	96	0.006	0.2
17-18		1				
18-19		8				
19-20	60	3	3	22	0.001	0.1
20-21	4.	2	2	3	Nil	Nil
1921-22	226	104	aua 49	126	0.007	0.3
22- 23	3,398	2,379	860	2,192	0.130	5.7
23-24	5	52	68	41	0.002	0.1
24-25	70	50	74	65	0.004	0.2
2 5-26	5	30	4	13	0.001	Nil
1926-27	3	4	2	3	Nil	Nil
12 Years' Average	333	231	93	219	0.013	0.6

River YERLA	_	Site YERA	Month DECEMBER			
Year -	Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1912-13	_					
13-14	6	5	6	6	Nil	Nil
14-15	11	11	11	11	0.001	**
15-16	24	19	20	21	0.001	0.1
1916-17	28	31	···· 27	29	0.002	0.1
17-18 ,						
18-19		`\$				
19-20	3	4	3	4	Nil	Nii
20-21	1	1	1	1	19	‡ 1
1921-22	18	20	वि नयने 14	17	0.001	Nil
22-23	4	3	4 2	17	0.001	**
23-24	41	37	44	41	0.003	0.1
24-25	71	59	44	57	0.004	0.2
25-26	3	1	1	2	Nil	Nil
1926-27	2	3	3	2	Nil	Nil
12 Years' Average	18	16	 18	17	0.001	Nil

River YERLA		Site YEI	Month JANUARY			
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1912-13*	9	8	7	8	Nil	Nil
13-14	4	4	4	4	,,	,,
14-15	13	12	12	12	0.001	,,
15-16	22	12	13	15	0.001	,,
1916-17	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18						
18-19*	1	1	1	1	Nil	Nil
19-20	59	22	6	28	0.002	0.1
20-21	Nil	Nil	Nil	Nil	Nil	Nil
1921-22	24	19	리 귀리크 12	18	0.001	Nil
22-23	49	42	36	42	0.003	0.1
23-24	47	42	32	40	0.002	0.1
24-25	34	29	17.	27	0.002	0.1
25-26 ,	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
2 Years' Average	21	15	11	16	0.001	Nil

^{*} Not considered for calculating the average.

River YERLA		Site YE	Month FEBRUARY			
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C
1912-13*	7	6	5	6	Nil	Nil
13-14	3	2	2	3	,,	,,
14-15	10	9	9	9	,,	,,
15-16	12	11	10	11	0.001	,,
1916-17	(Nil)	(Nil)	(Xil)	(Nil)	(Nil)	(Nil)
18-19*	Nil	Nil	Ni	Nil	Nil	Nil
19-20	4	2		2	,,	,,
20-21	Nil	Nil	· ·	Nil	"	,,
1921-22	6	न दूर्प	न्यनं ₄	5	Nil	Nil
22-23	27	27	28	28	0.002	0.1
23-24	24	19	15	20	0.001	0.1
24-25	11	7	6	8	Nil	Nil
25-26	(Nil)	(Nil)	(NiI)	(Nil)	(Nil)	(Nil)
1926-27	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	8	7	6	7	Nil	Nil

^{*} Not considered for calculating the average.

River YERLA		Site YEI	RALWADI		Month	MARCH
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A.F.	T. M. C
1912-13*	4	4	3	4	Nil	Nil
13-14	2	1	1	1	,,	> >
14-15	9	8	8	8	,,	*2
15-16	. 8	8	19	10	0.001	,,
1916-17	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
18-19*	Nil	Nil	104	37	0.002	0.1
19-20	,,		Nil	Nil	NiI	Nil
20-21	**			,,	,,	,,
1921-22	4	4 11	नयन 3	4	Nil	Nil
22-23	34	45	223	104	0.006	0.3
23-24	11	14	8	11	0.001	Nil
24-25	1	Nil	Nil	Nil	Nil	,,
25-26	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1926-27	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
2 Years' Average	6	7	22	12	0.001	Nil

^{*} Not considered for calculating the average.

River YERLA		Site YER.	Month APRII			
Year	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1010 10*	0	4	9	,	27.1	
1912-13*	6		2	4	Nil	Nil
13-14	1	1	12	5	••	,,
14-15	6	4	4	5	,,,	,,
15-16	20	10	6	12	0.001	,,
1916-17	(Nil)	Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18		8				
18-19*	56	\ 1 ₁ 1	Nil	19	0.001	Nil
19-20	Nil	20	91	37	0.002	0.1
20-21	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1921-22	12	न्युम्	न्यन 3	6	Nil	Nil
22-23	36	19	18	24	0.001	0.1
23-24	368	9	266	214	0.013	0.6
24-25	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
25-26	,,	,,	,,	,,	,,	,,
1926-27	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	37	6	33	25	0.001	0.1

^{*} Not considered for calculating the average.

River YERLA		Site YE	Month MAY			
		Mean dischar		Volume of flow for		
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M.C.
1912-13*	2	7	48	18	0.001	Nil
13-14	2	1	(Nil)	1	Nil	,,
14-15	3	4.	2	3	,,	,,
15-16	2	7	47	20	0.001	0.1
1916-17	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
17-18		\s				
18-19*	7	N.A.	N.A.	N.A.	N.A.	N.A.
19-20	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
20-21	**	10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		,,	,,	**
		नवम	व नयन			
1921-22	1	Nil	Nil	Nil	Nil	Nil
22-23	11	(13)	15	13	0.001	,,
23-24	1	1	Nil	1	Nil	**
24-25	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
25-26	,,	,,	**	**	,,	,,
1926-27	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12 Years' Average	2	2	5	3	Nil	Nil

^{*}Not considered for calculating the average.

		D22142212	'45 A WY1977				
River YERLA		Site R.		Month JUNE			
Year		Mean dischar		Volume of flow for the month			
(June to May)	1-10	11-20	21-30	W hole month	M.A.F.	T. M. C.	
1956-57				·	The second secon		
57-58	47	Nil	141	63	0.004	0.2	
58-59	55	13	N.A.				
59-60	N.A.	N.A.	99				
60-61	80	11	11	33	0.002	0.1	
					Mor	oth JULY	
T 7	Mean discharge (Cusecs)					Volume o	f flow for
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	$\frac{\textit{the mo}}{\textit{M. A. F.}}$	T. M. C.	
1956-57	N.A.	N.A.	177				
57-58	94	211	216	174	0.011	0.5	
58-59	N.A.	N.A.	NA.				
59-60	,,	The State of					
60-61	153	105	न्य 133	134	0.008	0.4	
					Month	AUGUST	
		Mean dischar	ge (Cusecs)		Volume o	f flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
1956-57	1,417	625	245	699	0.043	1.9	
57-58	255	121	115	159	0.010	0.4	
58-59	N.A.	N.A.	N.A.				
59-60	,,	325	285				
60-61	107	78	51	78	0.005	0.2	

		SERIA	L No. 12			
River YERLA		Site R	AMAPUR		Month SEJ	PTEMBER
Year		Mean discha	Volume of flow for			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57	294	330	498	374	0.022	1.0
57-58	120	257	132	163	0.010	0.4
58-59	N.A.	N.A.	N.A.			
59-60	271	192	132	222	0.013	0.6
60-61	18	N.A.	N.A.			
					Month C	CTOBER
Year		Mean discha		of flow for		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57 ,	1,162	804	301	770	0.047	2.1
57-5 8	Nil	18	284	72	0.004	0.2
58-59	N.A.	N.A.	N.A.			
59-60	426	301	241	302	0.019	0.8
60-61	32 5	325	320	323	0.020	0.9
					Month NO	VEMBER
Year -	A.	Iean discharg	je (Cusecs)		Volume o	f flow for
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57	N.A.	N.A.	651		1	
57-58	223	323	208	249	0.015	0.6
58-59	N.A.	34	N.A.			
59-60	176	316	164	206	0.012	0.5
60-61	296	309	132	245	0.015	0.6

		F/12/2022	110. 12			
River YERLA		Site RA	MAPUR		Month DE	CEMBER
Year		Mean discha	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M, A, F	T. M. C.
1956-57	371	203			<u> </u>	
57-58	371 98	203 75	$\frac{94}{54}$	219	0.013	0.6
58-59	N.A.	N.A.	N.A.	78	0.005	0.2
59-60	80	53	41	58	0.004	0.0
60-61	91	87	66	81	0.004	0.2 0.2
					Month	ANUARY
		Mean dischar	rge (Cusecs)			f flow for
Year (June to May)	1-10	11-20	20000-3	(1777-1) 1 7774-7-	the mo	nth
	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1956-57	63	53	48	54	0.003	0.1
57-58	43	31	29	34	0.002	0.1
58-59	N.A.	N.A.	N.A.			
59-60	34	32	29	31	0.002	0.1
60-61	51	44	36	43	0.003	0.1
					Month FE	BRUARY
Year		Mean dischar	ge (Cusecs)		Volume of	f flow for
(June to May)	1-10	11-20	21-28/29	Whole	the mo	1
				month	M. A. F.	T. M. C.
1956-57 :	42	41	33	39	0.002	0.1
57-58	25	23	19	23	0.001	0.1
58-59	N.A.	N.A.	N.A			
59-60	28	21	19	23	0.001	0.1
60-61	32	33	28	31	0.002	0.1

		W131V1	120, 10			
River YERLA		Site RA	MAPUR		Month	MARCH
Year		Mean disch	arge (Cusecs)		Volume of flow for	
(June to May)	1-10	11-20	21-31	$Whole\ month$	M.A.F.	T. M. C.
1956-57	90		·	remoting in the second of the second or selection to	J	The second section of the second seco
57-58	23 18	21	15	20	0.001	0.1
58-59	N.A.	12	Nil	10	0.001	Nil
59-60		N.A.	N.A.	10	0.004	2700
	15 23	13 22	10 20	13 21	0.001	Nil
60-61	23	22	20	Z1	0.001	0.1
		_ (5)			Mont	h APRIL
Year (June to May)		Mean discharge (Cusecs)			Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57	7	Nil	Nil	2	Nil	Nil
57-58	N.A.	N.A.	N.A.			
58-59	**	1	12723			
59-60	11	10	12	11	0.001	Nil
60-61	20	27	ㅋ 귀끄구 23	23	0.001	0,1
					Mor	eth MAY
1		Mean disc h a	rge (Cusecs)		Volume o	f flow for
Year (June to May)	1-10	11-20	21-31	Whole	the mo	1
(o and to 22 ag)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1956-57	65	Nil	Nil	21	0.001	0.1
5 7-5 8	N.A.	N.A.	N.A.			
58-59	**	**	19			
59-60	11	22	60	32	0.002	0.1
60-61	29	N.A.	9,474			

SERIAL No. 13

River BHOGAWATI (PANCHGANGA) Site RADHANAGRI H. E. DAM Month JUNE

Year		Mean dischar	Volume of flow for			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1954-55	111	95	113	106	0.006	0.3
55-56	182	528	485	398	0.024	1.0
1956-57	189	228	1,727	715	0.043	1.9
57-58	359	418	1,330	702	0.042	1.8
58-59	249	266	368	294	0.017	0.8
59-60	251	279	- 372	301	0.018	8.0
60-61	626	629	1,814	1,023	0.061	2.7
7 Years' Average	281	349	887	506	0.030	1.3

Month JULY

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1954-55	5,667	5,558	1,762	4,247	0.261	11.4
55-50	77	172	2,040	804	0.049	2.2
1956-57	8,191	1,050	4,010	4,404	0.271	11.8
57- 58	3,023	1,008	211	1,375	0.085	3.7
58-59	432	401	359	396	0.024	1.1
59 60	1,634	3,156	2,347	2,378	0.146	6.4
60-61	1,097	594	1,718	1,155	0.071	3.1
7 Years' Average	2,874	1,706	1,778	2,108	0.130	5.7

SERIAL No. 13

River	BHOGAWATI
	(PANCHGANGA)

Site RADHANAGRI H.E. DAM Month AUGUST

Year		Mean dischar	$ge\ (Cusecs)$		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M.A.F.	T.M.C.
1954-55	7,669	250	519	2,739	0.168	7.3
55-56	4,221	5,035	3,131	4,097	0.252	11.0
1956-57	5,035	4,300	651	3,242	0.199	8.7
57-58	3,154	4,522	2,618	3,405	0.209	9.1
58-59	322	323	890	311	0.019	0.8
59-60	2,564	615	2,296	1,840	0.113	4.9
60-61	2,995	2,327	1,425	2,222	0.137	6.0
7 Years' Average	3,709	2,482	1,561	2,551	0.157	6.8

Month SEPTEMBER

Year		Mean dischar	ge (Cusecs)		Volume of the mo	
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C
1954-55	2,286	1,516	1,667	1,823	0.108	4.7
55-56	4,868	93	91	1,684	0.100	4.4
1956-57	1,156	347	1,279	927	0.055	2.4
57-58	209	1,073	245	509	0.030	1.3
58-59	390	362	433	395	0.024	1.0
59-60	505	500	521	509	0.030	1.3
60-61	640	674	563	626	0.037	1.6
7 Years' Average	1,436	652	686	925	0.055	2.4

SERIAL No. 13

River	BHCGAWATI
	(PANCHGANGA

Site RADHANAGRI H.E. DAM Month OCTOBER

Year	1	Iean dischar	$ge_{\beta}Cusecs)$		Volume of flow for the month	
(June to May)	J-10	11-20	21-31	$Whole \\ month$	M. A. F.	$\frac{ntn}{\mid T. M. C.}$
1954-55	868	185	76	367	0.023	1.0
55-56	70	69	69	69	0.004	0.2
1956-57	629	429	159	398	0.024	1.1
57-58	231	268	214	237	0.015	0.6
58-59	322	285	275	293	0.018	0.8
59-60	300	237	-216	250	0.015	0.7
60-61	387	263	293	315	0.019	0.8
7 Years' Average	401	248	186	276	0.017	0.7

Month NOVEMBER

		Mean dischar	ge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M.C.
1954-55	100	96	105-	100	0.006	0.3
55-56	74	78	100	84	0.005	0.2
1956-57	145	151	164	<i>153</i>	0.009	0.4
57-58	236	303	314	284	0.017	0.7
58-59	264	260	30 0	275	0.016	0.7
59-60	210	176	201	196	0.012	0.5
60-61	303	282	309	298	0.018	0.8
7 Years' Average	190	192	213	199	0.012	0.5

SERIAL No. 13

				}	NGA)	Mean dischar	ge (Cusecs)			f flow for
(June	ear to		y)		1-10	11-20	21-31	W hole month	M. A. F.	$\begin{array}{ c c c c c }\hline T. & M. & C\\ \hline \end{array}$
1954-55	•				105	107	105	106	0.007	0.3
55- 56					116	117	115	116	0.007	0.3
1956-57					177	193	211	194	0.012	0.5
57-58					327	361	364	351	0.022	0.9
58-59					334	329	357	340	0.021	0.9
59-60					226	207	-198	210	0.013	0.6
60-61	•		•		291	296	275	287	0.018	0.8
7 Years'	A	/er	age	e	225	230	232	229	0.014	0.6

Month JANUARY

Year		Mean discharge	Volume of flow for the month			
(June to May)	1-10	1-10 11-20 21-31			M. A. F.	T. M. C.
1953-54*	77	82	83	81	0.005	0.2
54-55	115	129	121	122	0.008	0.3
55-56	123	117	109	116	0.007	0.3
1956-57	217	198	219	212	0.013	0.6
57-58	357	351	426	380	0.023	1.0
58-59	409	360	339	368	0.023	1.0
59-6 0	187	187	218	198	0.012	0.5
60-61	(235)	(224)	(239)	(233)	(0.014)	(0.6)
7 Years' Average	235	224	239	233	0.014	0.6

^{*}Not considered for calculating the average.

SERIAL No. 13

River	BHOGAWATI	Site	RADHANAGRI H.E. DAM
	(PANCHGANGA)		

Month FEBRUARY

V	, i	Mean discha	rge (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-28 29	W hole month	M. A. F.	T. M. C
1953-54*	85	93	96	91	0.005	0.2
54-55	135	132	143	136	0.008	0.3
55-56	147	147	144	146	0.008	0.4
1956-57	231	244	243	237	0.013	0.6
57-5 8	394	437	419	416	0.023	1.0
58-59	356	355	321	346	0.019	0.8
59-60	257	259	328	280	0.016	0.7
60-61	(253)	(262)	(266)	(260)	(0.014)	(0.6)
7 Years' Average	253	262	266	260	0.014	0.6

Month MARCH

77	1	Mean discharg	e (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10 11-20 21-31		21-31	Whole month	M. A F.	T. M. C.
1953-54*	105	103	95	101	0.006	0.3
54-55	151	136	154	147	0.009	0.4
5 5-56	161	181	181	175	0.011	0.5
1956-57	262	253	302	273	0.017	0.7
57-58	421 390 325 (285)	333 373 307 (264)	245 394 377 (276)	330 386 338 (275)	0.020 0.024 0.021 (0.017)	0.9 1.0 0.9 (0.7)
7. Years' Average	285	264	276	275	0.017	0.7

^{*} Not considered for calculating the average.

SERIAL No. 13

River BHOGAWATI (PANCHGANGA)

Site RADHANAGRI H.E. DAM

Month APRIL

Year	-	Mean dischar	ge (Cusecs)		Volume of flow for	
(Juneto May)	1-10	11-20	21-30	W kole month	M.A.F.	$\frac{onth}{\mid T. M. C}$
	<u> </u>			77.076.76	м. А. Г.	1. 51. 0
1953-54*	106	113	102	107	0.006	0.3
54-55	156	223	157	179	0.011	0.5
55-56	185	180	187	184	0.011	0.5
195 ;-57	297	282	334	304	0.018	8.0
57-58	275	237	196	236	0.014	0.6.
$58-59 \dots$	364	311	264	313	0.019	0.8
59-00	378	344	395	372	0.022	1.0
60-61	(276)	(263)	(256)	(265)	(0.016)	(0.7)
7 Years' Average	276	263	256	265	0.016	0.7

Month MAY

Year (June to May)		Mean discharge (Cusecs)			Volume of flow for	
	1-10	11-20	21.31	W hole month	M. A. F.	T. M. C.
1953-51*	101	115	109	108	0.007	0.3
54-55	169	181	178	176	0.011	0.5
55-56	211	225	188	208	0.013	0.6
1956-57	349	379	298	341	0.021	0.6
57-58	197	229	179	201	0.012	0.5
58-59	278	197	107	191	0.012	0.5
59-60	312	301	429	350	0.022	6.0
60-61	(253)	(252)	(230)	(244)	(0.015)	(0.7)
7 Years' Average	253	252	230	244	0.015	0.7

^{*} Not considered for calculating the average.

VOLUME OF ANNUAL FLOW SERIAL No. 14.

River GHATAPRABHA

Site HADALGA

Year	Volume	of Flow
	M. A. F.	T. M. C.
1906	0.659	30.0
07	1.155	50.3
08	1.159	50,5
09	0.893	38.9
10	0.813	35.4
1911	0.746	32.5
12	1.320	57.5
13	0.849	37.0
14	1.538	67.0
15	0.778 	33.9
1916	0.868	37.8
17	0.849	37.0
18	0.480	20.9
13 Years' Average	0.934	40.7

NOTE:—The figures for the years 1906 to 1918 are the volumes of flow for seven months (June to December) only.

SERIAL No. 14

River GHATAPRABHA Site HADALGA Month JUNE Mean discharge (Cusecs) Volume of flow for Year the month Whole (June to May) 1-10 11-20 21-30 M.A.F.month T, M. C. 1910-11* . . . N.A. 121 4,210 2,165 0.1295.6 2,704 7.0 1911-12* . . . 3,759 1,649 0.161 N.A. 12-13* . . . N.A. N.A. ,, 13-14* . . . ,, ,, 1,466 3.8 14-15* . . . 1,466 0.087,, 5,077 5,077 0.302 13.2 15-16* . . . ,, 72 6,851 4,501 0.26811.7 1916-17* . . . N.A. 2,152 8.7 4.747 3,373 0.2012,000 17-18* . . . ,, N.A. N.A. 18-19* . . . ,, 0.064 2.8 1,068 2,017 1,188 19-20 (Nil) 0.0883.8 1,477 3,177 20-21 . , . 521,204 6,641 0.0401.7 1,991 1921-22 . (Nil) (Nil) 3.6 1,370 0.0822815 4,068 22-23 0.015 0.6 628 247 23-24 10 103 0.0200.9 (Nil) (Nil) 1,016 3,391 24 - 25110 4.685 1,598 0.0954.1 25-26 . 53 0.2 (Nil) 145 119 88 0.005 1926-27 2,213 856 0.0512.2 11 346

8 Years' Average

^{*} Not considered for calculating the average.

SERIAL No. 14

River GHATAPRABHA

Site HADALGA

Month JULY

		~****	41.00m.1.100.00.2		111.078010			
Year		Mean discha	rge (Cusecs)		Volume o	of flow for		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	$\frac{onth}{\mid T. M. C}$		
1910-11*	7,224	1,468	1,611	3,376	0.208	9.0		
1911-12*	1,180	7,433	2,071	3,513	0.216	9:4		
12-13*	N.A.	N.A.	N.A.	N.A.	N.A.	$\mathbf{N}.\mathbf{A}.$		
13-14*	**	· ·	,,	,;	,,	,,		
14-15*	4,175	14,103	20,873	13,303	0.818	35.6		
15-16*	4,516	1,185	7,761	4,593	0.282	12.3		
1916-17*	2,208	1,613	3,228	2,378	0.146	6.4		
17-18*	2,264	2,012	6,440	3,665	0.225	9.8		
18-19*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
19-20	5,366	2,290	4,727	4,147	0.255	11.1		
20-21	6,131	7,304	6,065	6,486	0.399	17.4		
1921-22	533	627	11,640	4,505	0.277	12.1		
22-23	8,024	4,019	16,714	9,816	0.604	26.3		
23-24	6,888	18,525	13,866	13,118	0.807	35.1		
24-25	2,291	18,286	8,258	9,568	0.588	25.6		
25-26	2,473	11,120	4,865	6,111	0.376	16.4		
1926-27	6,062	2,921	6,661	5,261	0.323	14.1,		
8 Years' Average	4,721	8,136	9,100	7,376	0.454	19.8		

^{*} Not considered for calculating the average.

SERIAL No. 14

River GHATAPR	АВНА	Site	HADALGA		Month	AUGUST	
Year	[Mean discha				ume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1910-11*	10,957	5,066	1,779	5,800	0.357	15.5	
1911-12*	3,133	6,593	3,928	4,531	0.279	12.1	
12-13*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
13-14*	,,	**	,,	,,	**	,,	
14-15*	18,528	2,897	4,314	8,442	0.519	22.6	
15-16*	8,247	1,474	1,219	3,568	0.219	9.6	
1916-17*	9,775	4,995	1,933	5,450	0.335	14.6	
17-18*	2,940	1,808	4,037	2,964	0.182	7.9	
18-19*	N.A.	N.A.	N.A.	$N.A_{\pi}$	N.A.	N.A.	
19-20	6,908	2,408	3,358	4,197	0.258	11.2	
20-21	3,740	1,879	1,658	2,401	0.148	6.4	
1921-22	6,403	6,847	2,485	5,156	0.317	13.8	
22-23	4,456	3,565	3,641	3,879	0.239	10.4	
23-24	8,149	6,982	2,932	5,921	0.364	15.9	
24-25	4,218	2,024	3,310	3,188	0.196	8.5	
25-26	2,727	2,253	4,265	3,120	0.192	8.4	
1926-27	12,449	(6,000)	(4,000)	7,371	0.453	19.7	
8 Years' Average	6,131	3,995	3,206	4,404	0.271	11.8	

^{*} Not considered for calculating the average.

SERIAL No. 14

Month SEPTEMBER River GHATAPRABHA Site HADALGA Mean discharge (Cusecs) Volume of flow for Yearthe month Whole (June to May) 1-10 11.20 21-30 monthM.A.F.T. M. C.1910-11* . 2,318 1,070 1,597 0.0954.1 1,403 1911-12* . . . 2,822 517 1.719 0.1024.5 1,817 12-13* . . . N.A. N.A. N,A. N.A.N.A. N.A. 13-14* . . . 9,9 ,, ,, 14-15* . . . 1,220 2,660 0.1585,155 1,605 6.9 15-16* . . . 1,627 1,859 1,669 1,353 0.0974.2 4.5 1,752 0.104 1916-17* . . 1,326 2,323 1,607 3,114 0.1858.1 991 17-18* . . . 6,898 1,453 N.A.N.A. N.A. N.A. N.A. N.A. 18-19* . . . 767 630 1,084 0.065 2.8 19-20 . . . 1,854 628 523 860 670 0.040 20-21 . 1.7 1,913 1,713 839 1,488 0.089 1921-22 . 3.9 2,086 1,299 730 1,972 0.117 22-23 . 5.1 2.3 719 725 1,239 894 0.05323-24 . 2,777 **\$**20 753 1,450 0.0863.8 24-25 . 1,390 522434 782 0.0472.0 25-26 1,491 3.9 2,166 1,134 1,174 0.0891926-27 1,721 934 807 1,229 0.0733.2 8 Years' Average

^{*}Not considered for calculating the averge.

River GHATAPRA	АВНА	Site H	IADALGA		Month (CTOBER	
Year		Mean dischar	ge (Cusecs)		Volume of	Volume of flow for the month I. A. F. T. M. C. 0.062 2.7 0.025 1.1 N.A. N.A. 0.019 0.8 0.050 2.2 0.031 1.4	
(June to May)	1-10	11-20	2 1- 31	$Whole \\ month$	M. A. F.	1.	
1910-11*	1,939	762	409	1,016	0.062	2.7	
1911-12*	407	577	231	399	0.025	1.1	
12-13*	N.A.	N.A.	N. 4.	N.A.	N.A.	N:A.	
13-14*	,,	**	,,,	,,	"	,,	
14-15*	563	244	152	314	0.019	0.8	
15-16*	1,352	589	520	811	0.050	2.2	
1916-17*	501	678	370	512	0.031	1.4	
17-18*	1,652	1,028	1,057	1,240	0.076	3:3	
18-19*	Ņ.A.	N.A.	N:A.	N.A.	N.A.	N:A.	
19-20	1,358	615	250	725	0.045	1.9	
20-21	385	179	110 FUE	221	0.014	0.6	
1921-22	439	236	104	255	0.016	0.7	
22-23	410	238	133	256	0.016	0.7	
23-24	299	169	99	186	0.011	9:5	
24-25	655	323	157	371	0.023	1.0	
25-26	390	495	145	337	0.021	0:9:	
1926-27	507	249	132	291	0.018	0:8	
8 Years' Average	555	313	141	330	0:020	0,9	

^{*}Not considered for calculating the average.

V		Mean dischar	ge (Cusecs)	,	Volume of	f flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1910-11*	234	182	134	183	0.011	0.5
1911-12*	129	111	111	117	0.007	0.3
12-13*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
13-14*	,,	,,	,,	• •	29	,,
14-15*	136	113	84	111	0.007	0.3
15-16*	232	148	127	169	0.010	0.4
1916-17*	1,438	1,055	368	953	0.057	2.5
17-18*	447	377	332	385	0.023	1.0
18-19*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
19-20	137	154	86	126	0.007	0.3
20-21	72	79	74	75	0.004	0.2
1921-22	326 *	110	84	173	0.010	0.4
22-23	167	134	271	191	0.011	0.5
23-24	73	81	69	74	0.004	0.2
24-25	90	75	90	85	0.005	0.2
25-26	82	93	69	81	0.005	0.2
1926-27	96	79	59	79	0.005	0.2
8 Years' Average	131	101	100	110	0.006	0.3

^{*}Not considered for calculating the average.

SERIAL No. 14

River GHATAPRABHA Month DECEMBER Site HADALGA Volume of flow for Mean discharge (Cusces) Year the month Whole (June to May) 11-20 21-31 1-10 T. M. C. M. A. F. month 1910-11* . . . 106 78 60 81 0.005 0.2 1911-12* . . . 71 0.2 102 64 49 0.60412-13* . . . N.A. N.A. NA. N.A. N.A. N.A. 13-14* . . . ,, ., " ,, 0.2 14-15* . . . 71 90 70 0.004 51 0.2 15-16* . . . 0.005 92 74 68 78 0.3 1916-17* . . . 86 123 0.008163 123 0.5 17-18* . 169 0.010 76 158 281 N.A. N.A. 18-19* . . . N.A.N.A. N.A. N.A. 0.2 0.00419-20 . . . 70 66 54 63 0.1 45 0.00320-21 . . . 57 45 33 71 0.004 0.2 1921-22 . 87 71 56 0.005 0.2 87 22-23 . . . 105 77 81 0.1 23-24 . 61 50 41 50 0.00324-25 . . . 74 60 48 60 0.0040.2 46 0.0030.1 25-2**6** . 57 46 37 0.1 32 38 0.002 46 38 1926-27 0.2 48 58 0.004 57 8 Years' Average 70

^{*}Not considered for calculating the average.

River GHATAPRA	АВНА	Site	HADALGA		Month]	IANUARY	
Year		Mean disci	harge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	

8 Years' Average	41	35	32	36	0.002	0.1
1926-27	30	26	21	25	0.002	0.1
25-26	27	23	18	23	0.001	0.1
24-25	42	26	31	33	0.002	0.1
23-24	34	(31)	28	31	0.002	0.1
22-23	73	64	मधर्न ₅₄	63	0.004	0.2
1921-22	54	48	31	45	0.003	0:1
20-21	28	26	22	25	0.002	0.1
19-20	42	39	48	43	0.003	0.1
18-19		Ч				
17-18 , , .		A-NO	5) (8)			
1916-17						

River GHATAPR	ABHA	Site 1	HADALGA		Month	FEBRUARY
Year		Mean discha	rge (Cusecs)	Whole	Volume of flow for the month	
(June to May)	1-10	11-20	21-28 29	month	M. A.	F. T. M.C.

8 Years'	Aver	age	26	22	18	22	0.001	0.1
1926-27		•	16	13	10	13	0.001	Nil
25-26		•	15	12	11	13	0.001	Nil
24-25		•	28	24	20	24	0.001	0.1
23-24			18	13	9	13	0.001	Nil
22-23	• • .		44	41	37	41	0.002	0.1
1921-22		•	27	न <u>२२</u> । स्थन	21	23	0.001	0.1
20-21		•	16	(114	12	14	0.001	Nil
19-20			43	37	24	34	0.002	0.1
18-19		•						
17-18	• •				ò			
1916-17				(X-An				

River GHATAPRA	ВНА	Site H	ADALGA		Month MARCH
Year		Mean discha	arge (Cusecs)		Volume of flow for the month
(June to May)	1-10	11-20	21-31	Whole month	M. A. F. T. M. C.

1916-17		T-un	la			
17-18		· Je				
18-19		3,65				
19-20	20	14	3	12	0.001	Nil
20-21	8	6	5	6	Nil	,,
1921-22	19	16	13	. 16	0.001	Nil
22-23	34	29	23	29	0.002	0.1
23-24	8	3	2	4	Nil	Nil
24-25	15	12	7	11	0.001	,,
25- 26	10	9	7	9	0.001	,,
1926-27	9	7	3	6	Nil	Nil
8 Years' Average	15	12	8	12	0.001	Nil

River GHATAPRA	BHA	Site H	IADALGA		M onth	APRIL
Year		Mean disch	arge (Cusecs)		Volume of the mo	
(June to May)	1-10	11-20	. 21-30	Whole month	M. A. F.	T. M. C.

1916-17					y-un	5)			
17.18	•								
18-19		•			7				
19-20				1	1	1	1	Nil	Nil
20-21	•	•	•	3	117	10	10	0 001	13
1921-22				10	न्युगं व	- 무리쿠 29	16	0.001	Nil
22-23	•			28	17	10	18	0.001	2,9
23-24		•	•	28	5	3	12	0.001	"
24-25			•	6	5	3	4	Nil	>1
25-26		•		6	1	(Nil)	2	,,	,,
1926-27	•	•	•	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
8 Years	A	ver	***	10	7	7	8	0.001	Nil

River GHATAPR	ABHA	Site	HADALGA		Mon	th MAY
Year		Mean dischar	rge (Cusecs)		Volume of	
(June to May)		11.00	01.01	Whole	the m	lonin
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.

8 Years'	Ave	21	Lg(4	2		3	3	Ņū	Nü
1926-27	•	•	•	(Nil)	(Nil	i) 	(Nil)	(Nil)	(Nil)	(Nil)
25-26	•	•	•	(Nil) (Nii	l)	(Nil)	(Nil)	(Nil)	(Nil)
24-25				3	5		2	3	"	••
23-24		•		4	1		(Nil)	2	,,	,,
22-23			•	7	3		2	4	Nil	,,
1921-22				17	7	पेन नयन	19	14	0.001	Nil
20-11	•	•	•	3	(Nil)	N. S	(Nil)	1	**	,,
19-20		•		1	1		1	1	Nil	Nil
18-19	•				5					
17-18					Tilube Se		1			
1916-17	•		•		0	_nn _1	50			

River GHATAPRA	BHA	Site	DADDI		Mon	th JUNE	
Year		Mean discha	rge (Cusees)	,	Volume of the mo	f flow for	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
1949-50 50-51*	741	5 19	1,258	839	0.050	2.2	
1951-52*	N.A.	1,511	3,595				
52-53	(Nil)	31	2,595	875	0.052	2.3	
53-54	Nil	Nil	10,203	3,166	0.188	8.2	
54-55	322	632	164	364	0.022	0.9	
55-56*	Nil	Nil	5,953	1,984	0.118	5.1	
4 Years' Average	266	296	3, 555	1,311	0.078	3.4	
					Mon	th JULY	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.	
1949-50 50-51*	1,676	11,880	3,938	5,770	0.355	15.5	
1951-52*	1,230	329	9,514	3,490	0.215	9.3	
52-53	1,646	975	18,989	7,203	0.443	19.3	
53-54	20,644	6,015	1,557	7,921	0.487	21.2	
54-55	9;230	13,214	1,897	7,913	0.487	21.2	
55-56*	8,577	1,008	2,255	3,892	0.239	10.4	
Years' Average	8,299	 8.021	6,595	7,202	0.443	19.3	

^{*}Not considered for calculating the average.

River GHATAPRA	ВНА	Site D	ADDI		Month	AUGUST
Year		Mean discho	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50 50-51*	5,974	3,407	1,247	3,469	0.213	9.3
1951-52* ,	7,784	3,649	1,146	4,095	0.252	11.0
52-53	11,119	3,831	3,800	6,171	0.379	16.5
53-54	12,691	19,497	5,420	12,536	0.771	33.6
54-55	20,812	4,121	552	8,239	0.507	22.1
55-56*	1,142	931	3,853	2,036	0.125	5.5
4 Years' Average	12,649	7,714	2,755	7,604	0.468	20.4
			THE P		Month SEP	TEMBER
Year		Mean discha	rge (Uusecs)	1	Volume of the mo	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1949-50 50-51*	944	666	1,507	1,039	0.062	2.7
1951-52*	83	20	40	50	0.003	0.1
52-53	451	46	(416)	<i>304</i>	0.018	0.8
53-54	1,902	967	281	1,050	0.062	2.7
54- 5 5	1,418	1,208	783	1,136	0.068	2.9
55-56*	5,312	.375	198	1,962	0.117 ————	5.1
4 Years' Average	1,179	722	747	882	0.052	2.3

^{*} Not considered for calculating the average.

SERIAL No. 15

River GHATAPRA	вна		SERIAL No. 15 Site DADDI		Month OCTO		
Year		Mean disch	arge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A F.	T. M. C.	
1949-50 50-51*	305	120	340	257	0 016	0.7	
1951-52*				***			
52-53	786	449	61	5 14	0.032	1.4	
53-54	841	601	1,524	1,006	0.062	2.7	
54-55	216	13	Nil	74	0.005	0 2	
55-56*	4,863	351	216	1,759	0.108	4.7	
4 Years' Average	537	296	481	463	0.029	1.2	
					Month NO	VEMBER	
		Mean discharge (Cusecs) Volu			Volume o	e of flow for	
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
1949-50 . , . 50-51*	143	356	280	260	0.915	0.7	
1951-52*	500	387	403	430	0.026	1.1	
52-53	608	394	185	388	0.023	1.0	
53-54	337	80	Nil	<i>139</i>	0.008	0.4	
54-55	118	325	254	232	0.014	0.6	
55-56*	60	22	N.A.				

^{*} Not considered for calculating the average.

302

4 Years' Average

180

255

0.015

0.7

289

	HA	Site	DADDI		Month DE	CEMBER	
Year		Mean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1949-50 50-51*	215	136	87	144	0.009	0.4	
1951-52*							
52-53	104	96	69	93	0.006	0.2	
53-54	235	302	183	238	0.015	0.6	
54-55	184	185	167	178	0.011	0.5	
55-56*							
4 Years' Average	184	180	126	163	0.010	0.4	
		1/1			Month]	ANUARY	
		Art was 1 - Trill in					
Vear		Mean discha	rge (Cusecs)		Volume of the mo		
Year (June to May)	1-10	11-20	21-31	Whole month		nth	
		11-20	T = 70° F	1	the mo	of flow for onth T. M. C.	
(June to May)	1-10	11-20	21-31	month	M, A, F.	T. M. C	
(June to May)	1-10	11-20	21-31	month	M, A, F.	T. M. C	
(June to May) 1949-50 50-51*	1-10	11-20	21-31	month	M, A, F.	T. M. C	
(June to May) 1949-50 50-51* 1951-52*	63	11-20 52	21-31	month	0.003	0.1	
(June to May) 1949-50 50-51* 1951-52* 52-53	1-10 63	11-20 52	21-31	month 47	0.003	0.1	
(June to May) 1949-50 50-51* 1951-52* 52-53 53-54	1-10 63 59 137	11-20 52 46 115	21-31 29 39 70	47 48 106	0.003 0.003 0.007	0.1 0.1 0.3	

^{*} Not considered for calculating the average.

River GHATAPRAB	НА	Site]	DADDI		Month FE	BRUARY
Year		Mean discha	rge (Cusecs)		Volume of the me	
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C
1949-50 50-51*	25	16	14	18	0.001	Nil
1951-52*						
52-53	33	28	13	24	0.001	0.1
53-54	56	27	14	<i>33</i>	0.002	0.1
54-55 55-56*	54	44	30	43	0.002	0.1
4 Years' Average	42	29	18	30	0.002	0.1
			PULS		Month	MARCH
Year -	 		arge (Cusecs)	1	Volume of flow fo the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T.M.C
1949-50 50-51*	8	7	6	7	Nil	Nil
1951-52*						
52-53	8	3	1	5	Nil	Nil
53-54	9	16	48	25	0.002	0.1
54-55 55-56*	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
4 Years' Average *Not consider	6	6	14	9	Nil	Nil

		N-101 211	H 110. 10			
River GHATAPRA	ВНА	Site]	DADDI		Month	APRIL
Year		Mean dischar	ge (Cusecs)		Volume of	flow for
(June to May)	1-10	11-20	21-3	Whole month	M. A. F.	T.M. C
1949-50 50-51*	5	2	2	3	Nil	Nil
ο 5 2-53	(15)	30	10	21	0.001	0.4
53-54	14	3 0 4	18 3	21 7	0.001 Nil	0.1 Nil
54-55	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	Nii (Nil)
55-56*	(2111)			(2110)	(1431)	(1411)
4 Years' Average	8	9	6	8	Nil	Nil
		111	计划 型		Мо	
Year		Mean discharge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1948-49*	3	483	665	393	0.024	1.1
49-50	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
50-51*	. (2111)	(211-)	(,	. 7	, ,	, ,
1951-52*						
<i>52-5</i> 3	6	Nil	Nil	2	Nil	Nil
5 3-54	· 4	22	12	13	0.001	,,
54-55 55-56*	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
4 Years' Average	2	6	3	4	Nil	Nil

^{*}Not considere for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 16

River: GHATAPRABHA Site: DHUPDAL

	Volume	of flow
	M. A. F.	T. M. C.
1906	1.850	80.6
07	3,533	153.9
08	3.579	155.9
09	2.475	107.8
10	2.509	109,3
1911	1.940	84,5
12	3.967	172.8
13	2.135	93.0
14	4.995	217.6
15	2.601	113.3
1916	3.081	134.2
17	2.732	119.0
18	1.398	60.9
19	2.280	99.3
20	2.124	92.5
1921	2.548	111.0
1 22 to 30.4	4,22* 0.009	0.4
1922-23	2.608	113.6
23-24	3.851	167.7
24 - 25	2.911	126.8
25-26	2.856	124.4
20 Years' Average	2.799	121.9

^{*}Not considered for calculating the average.

NOTE:—The figures for the years 1906 to 1921 are the volumes of flow for calendar years. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st May to 30th April.

River GHATAPRAB		Site DI Mean discha	HUPDAL		Month JUNE Volume of flow for		
Year		j		Who!e	the month		
(June to May)	1-10	11-20	21-30	month	M.A.F.	T. M. O	
1938-39	247	12,628	9,838	7,571	0.451	19.6	
39-40	37	7,334	8,845	5, 406	0.322	14.0	
40-41	56	72	7,872	2,667	0.159	6.9	
3 Years' Average	113	6,678	8,852	5,215	0.310	13.5	
1941-42	2,402	2,757	5,639	3,599	0.214	9.3	
42-43	3	713	6,216	2,311	0.138	6.0	
43-44	580	4,526	4,723	3,277	0.195	8.5	
44-45	185	2,011	2,412	1,582	0.094	4.1	
45-46	44	666	5,855	2,188	0.130	5.7	
1946-47	486	2,342	10,713	4,513	0.269	11.7	
47-48	57	380	384	274	0.016	0.7	
48-49	62	1,648	8,229	3,313	0.197	8.6	
49-50	2,560	1,053	4,238	2,617	0.156	6.8	
50-51	877	82	1,178	712	0.042	1.8	
10 Years' Average	726	1,618	4,959	2,439	0.145	6.3	
1951-52	195	6,288	13,304	6,596	0.392	17.1	
52-53	33	536	8,990	3,186	0.190	8.3	
53-54	58	61	29,636	9,919	0.590	25.7	
54-55	63	2,019	2,406	1,496	0.089	3.9	
55-56	89	251	8,254	2,864	0.170	7.4	
1956-57	1,385	1,269	12,272	4,975	0.296	12.9	
57-58	294	155	7,256	2,568	0.153	6.7	
58-59	75	Nil	17,303	5,793	0.345	15.0	
59-60	35 5	524	8,688	3,189	0.190	8.3	
60-61	10	1,107	8,050	3,056	0.182	7.9	
10 Years' Average	256	1,221	11,616	4,364	0.260	11.3	
3 Years' Average	441	2,105	8,361	3,638	0.217	9.4	

River GHATAPRAB			IUPDAL	~~	Mont	
Year -		Iean dischar	Volume of the mo			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1938-39 . , .	16,093	23,566	15,666	18,352	1.128	49.2
39-40	14,809	50,559	12,916	25,669	1.578	68.8
40-41	16,444	27,427	22,162	22,016	1.354	59.0
3 Years' Average	15,782	33,851	16,915	22,012	1.353	59.0
1941-42	54,516	24,337	3,241	26,587	1.635	71.2
42-43	39,653	16,789	36,470	31,148	1.915	83.4
43-44	12,205	49,904	18,190	26,490	1.629	71.0
44-45	4,623	39,408	29,842	24,793	1.524	66.4
45-46	28,880	32,290	15,086	25,085	1.542	67.2
1946-47	19,160	6,234	40,638	22,611	1.390	60.6
47-4 8	3,759	28,043	14,571	<i>15,429</i>	0.949	41.3
48-49	9,640	13,019	29,222	17,678	1.087	47.3
49-50	5,807	28,676	14,006	16,093	0.990	43.1
50-51	2,910	31,669	62,322	33,269	2.046	89.1
10 Years' Average	18,115	27,037	26,359	23,918	1.471	64,1
1951-52	6,816	3,578	32,618	14,927	0.918	40.0
52-53	6,650	5,632	47,876	20,950	1.288	56.1
53-54	64,442	22,419	8,097	30,893	1.900	82.7
54-55	26,491	36,103	10,557	23,938	1.472	64.1
55-56	22,711	9,508	11,739	14,558	0.895	39.0
1956-57	44,601	27,514	23,750	31,690	1.949	84.9
57-58	14,570	37,331	15,752	22,332	1.373	59.8
58-59	34,607	68,185	31,664	44,394	2.730	118.9
59-60	57,453	32,774	39,982	43,293	2.662	116.
60-61	35,247	4,405	19,924	19,861	1.221	53.
10 Years' Average	31,359	24,745	24,196	26,684	1.641	71.
23 Years' Average	23,569	26,929	24,187	24,872	1.529	66.6

River GHATAPRA	АВНА	Site D	HUPDAL		Month	AUGUST
Year		Mean dische	Volume of flow for the month			
(June 10 May)	1-10	11-20	21-31	Whole month	M.A.F.	
1938-89	4,869	7,170	8,631	6,946	0 427	18.6
39-40	5,578	18,364	46,813	24,334	1.496	65.2
40-41	15,391	14,186	22,871	17,656	1.086	47.3
3 Years' Average	8,613	13,240	26,105	16,312	1.003	43.7
1941-42	5,360	10,460	5,244	6,964	0.428	18.7
42-43	30,628	9,693	5,490	14.955	0.920	40.1
43-44	12,424	5,070	2,515	6,536	0.402	17.5
44-45	17,643	6,305	11,057	11,648	0.716	31.2
45-46	3,053	21,438	12,398	12,300	0.756	32.9
1946-47	40,993	19,774	24,936	28,451	1.749	76.2
47.48	4,928	4,583	24,652	11,816	0.727	31.6
48-49	6,528	31,106	12,248	16,486	1.014	44.2
49-50	21,210	12,624	5,680	12,930	0.795	34.6
50-51	24,997	12,374	3,215	13,196	0.811	35.3
10 Years' Average	16,776	13,343	10,744	13,528	0.832	36.2
1951-52	23,319	14,352	6,252	14,370	0.884	38.5
52-53	32,153	14,723	15,705	20,694	1.272	55.4
53- 54	29,623	42,386	13,163	27,899	1.715	74.7
54- 55	40,390	17,523	4,442	20,258	1.246	54.3
5 5-56	11,339	11,682	17,366	<i>13,588</i>	0.835	36.4
1956-57	47,866	18,138	7,736	24,037	1.478	64.4
57-58	17,321	24,090	25,338	22,349	1.374	59.9
58-59	7,551	11,707	16,256	11,980	0.737	32 .1
59 -60	19,447	73,84	18,774	15,317	0.942	41.0
60-61	26,064	17,482	11,573	18,154	1.116	48.6
10 Years' Average	25,507	17,947	13,660	18,865	1.160	50.5
23 Years' Average	19,508	15,331	14,015	16,211	0.997	43.4

River GHATAPRA		Mean dischar	rae (Cusecs)		Volume of	TEMBER
Year	l			Whole	the m	onth
(June to May)	1-10	11 20	21-30	month	M. A. F.	T. M. C
1938-39	5,456	1,904	5,377	4,246	0.253	11.0
39-40	17,017	4,089	1,480	7,529	0.448	19.5
40-41	4,451	1,259	2,279	2,663	0.158	6.9
3 Years' Average	8,975	2,417	3,045	4,813	0.286	12.5
1941-42	1,800	1,338	1,160	1,433	0.085	3.7
42-43	8,408	2,508	2,542	4,486	0.267	11.6
43-44	3,580	3,975	2,842	3,466	0.206	9.0
44-45	2,443	1,617	1,116	1,725	0.103	4.5
45-46	3,795	5,592	3,601	4,329	0.258	11.2
1946-47	5,552	4,055	2,723	4,110	0.245	10.7
47-48	22,607	4,450	4,583	10,546	0.628	27.3
48-49	5,948	2,106	10.298	6,117	0.364	15.9
4 9-50 · · ·	4,975	4,067	6,805	5,282	0.314	13.7
50-51	8,569	11,757	4,666	8,330	0.496	21.6
10 Years' Average	6,768	4,146	4,034	4,982	0.296	12.9
1951-52	1,512	1,428	1,547	1,495	0.089	3.9
52-53	2,823	1,309	1,145	1,759	0.105	4.6
53-54	4,467	2,472	1,259	2,733	0.163	7.1
54-55	6,566	7,156	5,056	6,259	0.372	16.2
55-56	19,100	4,865	3,642	9,202	0.548	23.9
1956-57	4,041	2,284	2,633	2,986	0.178	7.7
57- 58	3,903	3,609	1,425	2,979	0.177	7.7
58-59	9,428	4,831	1,943	5,400	0.321	14.0
59-60	18,507	6,288	4,352	9,716	0.578	25.2
60-61	2,798	2,515	5,586	3 ,633	0.216	9.4
10 Years' Average	7,314	3,676	2,859	4,616	0.275	12.0
23 Years' Average	7,293	3,716	3,394	4,801	0.286	12.4

SERIAL No. 16

River GHATAPRABHA Site DHUPDAL Month **OCTOBER** Mean discharge (Cusecs) Volume of flow for Year the month Whole(June to May) 1-10 11-20 21-31 M, A, FT. M. C.month 1938-39 22,824 3,594 364 8,651 0.532 23.2 360 989 39-40 1,775 755 0.0612.6 40-41 454 1,526 833 935 0.0572.5 3 Years' Average 8,011 1,827 991 3,525 0.217 9.4 1941-42 2,277 949 174 1,102 0.068 3.0 1,181 42-13 1,266 137 838 0.0522.2 43-44 3,224 2,728 1,133 2,322 0.1436.2 44-45 501 1,736 771 1.026 2.7 0.063 45-46 1,380 1,016 124 817 2.2 0.0503,930 1,076 1946-47 254 1,705 0.1054.6 47-48 2,290 1,024 397 1.210 0.0743.2 48-49 4,2792,758 1,598 2,840 0.1757.6 49-50 2,430 1,366 3,335 2,408 0.1486.4 10,290 6,106 1,671 50-51 5,8820.36215.8 2,795 2,289 1,056 2,015 0.1245.4 10 Years' Average 4,797 3,270 1,173 3,018 0.186 1951-52 8.1 4,106 3,803 1,347 3,0290.186 8.1 52 - 532,936 4,229 6,969 4,784 0.29412.8 53 - 541,480 2,701 2,436 3,006 0.150 6.5 54-55 3,949 9,3890.577 25.1 20,046 4,717 55-56 4,130 0.254 11.1 5.848 4,855 1,909 1956-57 1,227 3,402 2,329 6.143 6.2 2,251 57-58 707 1,204 1,432 0.074 3,2 58-59 1,523 1,085 844 1,275 0.0783.4 1,938 59.60 935 1,603 0.099 4.3 1,495 60-61 2,446 4,890 2,759 2,394 3,320 0.2048.9 10 Years' Average 2,433 1,629 2,779 0.171 7.4 23 Years' Average 4,386

River GHATA	APRABHA	Site DH			Month NOVEMBE	
Year		Mean dischar	ge (Cusecs)		Volume o	
(June to May)	1-10	11-20	21-30	$Whole \\ month$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	T. M. C
1938-39	. 451	346	227	341	0.020	0.9
39-40	. 662	154	182	328	0.020	0.9
40-41	. 244	262	186	230	0.014	0.6
3 Years' Averag	ge 452	254	198	300	0.018	9.8
1941-42	. 118	111	311	114	0.007	0.3
42-43	. 189	185	138	171	0 010	0.4
43-44	. 1,225	_688	344	752	0.045	1.9
44-45	. 1,929	816	374	1,040	0.062	2.7
45-46	. 108	124	125	119	0.007	0.3
1946-47	. 845	648	598	697	0.041	1.8
47-48	. 334	591	198	374	0.022	1.0
48-49	. 555	1,223	998	926	0.055	2.4
49-50	. 1,422	372	166	670	0.040	1.7
50-51	. 473	627	303	468	0.028	1.2
10 Years' Avera	ıge 720	538 1113	336	533	0.032	1.4
1951-52	. 434	320	459	404	0.024	1.0
52-53	. 247	156	160	188	0.011	0.5
53-54	. 3,307	1,168	102	1,525	0.091	4.0
5 4-55	. 618	416	301	445	0.026	1.2
55-56	. 1,680	832	602	1,038	0.062	2.7
1956-57	. 3,184	739	1,534	1,819	0.108	4.7
57-58	. 1,673	1,334	640	1,216	0.072	3.2
58-59	. 379	303	259	314	0.019	0.8
59-60	. 792	1,259	383	811	0.048	2.1
60-61	. 1,061	313	286	553	0.033	1.4
10 Years' Avera	ge 1,338	684	473	831	0.049	2.2
23 Years' Avera	ge 953	565	377	632	0.038	1.6

		Mean dischar	rge (Cusecs)		Volume of	flow for	
Year			<u> </u>	Whole	the month		
(June to May)	1-10	11-20	21-31	minth	M. A, F.	T. M. C.	
1938-39	176	131	77	128	0.008	0.3	
39-40	98	107	119	108	0.007	0.3	
40-41	152	132	111	131	0.008	0.4	
3 Years' Average	142	123	102	122	0.008	0.3	
1941-42	107	97	123	110	0.007	0.3	
42-43	122	115	180	<i>140</i>	0.009	0.4	
43-44	239	151	122	169	0.010	0.5	
44-45	248	138	130	171	0.011	0.5	
45-46	118	124	126	122	0.008	0.3	
1946-47	290	237	134	217	0.013	0.6	
47-48	180	158	151	163	0.010	0.4	
48-49	476	302	229	332	0.020	0.9	
49-50	272	209	181	219	0.013	0.6	
50-51	282	157	182	207	0.013	0.6	
10 Years' Average	233	169	156	185	0.011	0.5	
1951-52	216	193	159	189	0.012	0.5	
52-53	146	159	164	157	0.010	0.4	
53-54	326	264	179	254	0.016	0.7	
54-55	194	161	182	179	0.011	0.5	
55-56	412	189	187	260	0.016	0.7	
1956-57	544	328	302	388	0.024	1.0	
57-58	347	238	180	253	0.016	0.7	
58-59	142	119	69	109	0.007	0.3	
59-60	253	129	86	153	0.009	0.4	
60-61	190	152	91	142	0.009	0.4	
10 Years' Average	277	193	160	208	0.013	0.6	
23 Years' Average	240	173	151	187	0.012	0.5	

River GHATAPRABI	HA	Site DI	HUPDAL		Month	JANUARY
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T.M.C
1937-38*	85	96	67	82	0.005	0.2
3 8- 39	47	106	93	82	0.005	0.2
39-40	78	91	95	88	0.005	0.2
40-41	94	86	116	99	0.006	0.3
3 Years' Average	73	94	101	90	0.005	0.2
1941-42	97	65	56	72	0.004	0.2
42-43	84	100	94	93	0.006	0.2
43-44	108	93	= 124	109	0.007	0.3
44-45	84	97	112	98	0.006	0.3
45-46	99	56	95	84	0.005	0.2
1946-47	117	112	1111	113	0.007	0.3
47-48	141	129	92	120	0.007	0.3
48-49	166	149	165	160	0.010	0.4
49-50	149	134	150	145	0.009	0.4
50-51	173	144	142	153	0.009	0.4
10 Years' Average	122	108	114	115	0,007	0.3
1951-52	141	161	85	127	0.008	0.3
52 -5 3	122	110	73	101	0.006	0.3
53-54	157	163	128	149	0.009	0.4
54- 55 :	144	142	119	135	0.008	0.4
5 5-56	109	157	121	129	0.008	0.3
1956-57	216	153	110	158	0.010	0.4
57-58	120	113	78	103	0.006	0.3
5 8- 5 9	32	23	3	19	0.001	0.1
59-60	82	56	35	57	0.004	0.2
60-61	67	39	22	42	0.003	0.1
10 Years' Average	119	112	77	102	0.006	0.3
23 Years' Average	114	108	96	106	0.006	0.3

^{*}Not considered for calculating the average.

River GHATAPRAE	Site D	HUPDAL		Month FEBRU			
T. anu		Mean disch	rge (Cusecs)		Volume of flow for the month		
Year (June to May)	1-10	11-2 0	21-28/29	$Whole \ month$	M. A. F.	T. M. C	
1937-38*	42	17	40	33	0.002	0.1	
38-39	92	79	70	81	0.004	0.2	
39-4 0	80	71	73	77	0.004	0.2	
40-41	99	92	78	91	0.005	0.2	
3 Years' Average	90	81	74	83	0.004	0.2	
1941-42	50	78	44	58	0.003	0.1	
42-43	93	78	61	78	0.004	0.2	
43-44	109	-72	71	<i>85</i>	0.005	0.2	
44-45	100	81	.55	80	0.004	0.2	
45-46	40	26	26	31	0.002	0.1	
1946-47	103	82	75	88	0.005	0.2	
47-48	56	85	44	62	0.004	0.2	
48-49	145	170	110	144	0.008	0.3	
49-50	105	56	63	76	0.004	0.2	
50-51	106	55	56	74	0.004	0.2	
10 Years' Average	91	7811	न्यनं 60	78	0.004	0.2	
1951-52	59	62	.60	60	0.003	0.2	
52-53	61	68	61	63	0.003	0.2	
53-54	154	69	60	97	0.005	0.2	
54- 55	104	67	63	79	0.004	0.2	
5 5-5 6	170	100	70	115	0.007	0.3	
1956-57	79	51	19	52	0 003	0.1	
57-58	63	23	Nil	31	0.002	0.1	
58-59	75	71	71	72	0.004	0.2	
59-60	64	Nil	Nil	22	0.001	0.1	
60-61	Nil	**	**	Nil	Nil	Nil	
0 Years' Average	83	51	40	59	0.003	0.2	
3 Years' Average	87	67	53	70	0.004	0.2	

^{*} Not considered for calculating the average.

River GHATAPRAE		74 7 7	IUPDAL		Month	MARCH
Year		Mean discha	Volume of the m	now for onth		
(June to May)	1-10	11-20	21 31	Whole month	M. A. F.	T. M. C
1937-38*	62	48	73	62	0.004	0.2
38-39	51	64	73	63	0.004	0.2
39-40 ,	63	71	36	56	0.003	0.1
40-41	64	58	64	62	0.004	0.2
3 Years' Average	59	64	58	60	0.004	0.2
1941-42	28	28	23	26	0.002	0.1
42-43	73	71	45	62	0.004	0.2
43-44	64	58	72	65	0.004	0.2
44-45	58	50	°57,	55	0.003	0.1
45-46	23	26	27	25	0.002	0.1
1946-47	44	59	50	51	0.003	0.1
47-48	53	$5\overline{4}$	34	47	0.003	0.1
48-49	6 8	50	68	62	0.004	0.2
49-50	33	26	33	31	0.002	0.1
50-51	57	50	48	52	0.003	0.1
10 Years' Average	50	47	46	48	0.003	0.1
1951-52	60	44	41	48	0.003	0.1
52-53	45	66	55	55	0.003	0.1
53-54	74	56	67	66	0.004	0.2
54-55	64	64	74	68	0.004	0.2
55-56	71	64	63	66	0.004	0.2
19 56- 57	Nil	8	Nil	3	Nil	Nil
57-58	64	71	66	67	0.004	0.2
58-59	4	Nil	Nil	1	Nil	Nil
59-60	Nil	1,	,,	Nil	••	••
60-61	,,	,,	,,	,,	,,	,,
10 Years' Average	38	37	37	37	0.002	0.1
23 Years' Average	46	45	43	45	0.003	0.1

^{*} Not considered for calculating the average.

		SERIAI	L No. 16			
River GHATAPRAI	ВНА	Site DI	IUPDAL		Month	h APRIL
		Mean di-chai	Volume of flow for			
Year (June to May)	1-10	11-20	21.30	Whole month	M. A. F.	T. M. C
1937-38*	63	72	71	69	0.004	0.2
38-39 . , .	62	48	26	45	0.003	0.1
39-40	29	26	26	27	0.002	0.1
40-41	72	54	56	61	0.004	0.2
3 Years' Average	54	43	36	44	0.003	0.1
1941-42 ,	26	23	26	25	0.001	0.1
42-43	26	24	24	25	0.001	0.1
43-44	30	30	34	31	0.002	0.1
44-45	50	56	27	44	0.003	0.1
45-46	26	26	53	35	0.002	0.1
1946-47	64	56	64	62	0.004	0.2
47-48	55	58	54	5 6	0.003	0.1
48-49	59	62	65	62	0.004	0.2
49-50	27	32	32	30	0.002	0.1
50-51	49	47	25	40	0.002	0.1
10 Years' Average	41	41	-13-7 40	41	0.002	0:1
1951-52	31	18	20	23	0.001	0.1
52-53	27	22	876	<i>308</i>	0.018	0 8
53-54	69	64	61	65	0.004	0.2
54- 55	48	51	44	48	0.003	0.1
5 5-56	74 .	71	55	66	0.004	0.2
1956-57	Nil	4	Nil	1	Nil	Nil
57-58	26	64	142	77	0.005	0.2
58-59	9	35	18	21	0.001	0.1
59-60	Nil	Nil	3	1	Nil	Nil
60-61	**	,,	5	2	,,	**
10 Years' Average	28	33	122	61	0.004	0.2
23 Years' Average	37	38	75	50	0.003	0.1

^{*} Not considered for calculating the average.

SERIAL No. 16

GHATAPRABHA Site DHUPDAL Month MAY River Mean discharge (Cusecs) Volume of flow for Yearthe month Whole1-10 $(June\ to\ May)$ 11-20 21-31 month M.A.F.T. M. C.1937-38* 64 56 59 60 0.0040.2 29 26 28 30 0 002 0.1 38-39 61 71 62 540.004 0.2 39-40 7247 0.00334 330.1 40-41 39 56 0 003 41 46 0.13 Years' Average 36 37 0.002 58 19 0.1 1941-12 32 233 20 608 0.0140.6 42-43 65 0.0030.1 35 66 56 43-44 57 0.0045261 59 0.2 44-45 72 174 63 368 0.011 0.5 45-46 65 68 69 67 0.004 $\sigma.2$ 1946-47 5347 450.00336 0.1 47-48 60 99 2,490 9350.057 2.5 48-49 47 46 43 34 0.003 0.1 49-50 20 267 110 28 0.007 50-510.3404 54 176 46 0.011 10 Years' Average $\theta.5$ 20 18 17 18 0.001 1951-52 Nil 69 59 61 0.004 54 0.2 52-53 35 30 28 46 0.002 53-54 0.1 380 91 951 39 0.023 54-55 1.0 69 51 77 66 0.004 55-56 0.2 70 277 84 148 0.0091955-57 0.4 337 179 230 248 0.01557-58 0.7 24 267 103 1 0.00658-590.3 524 373 46 534 0.02359-60 1.0

72

74

57

60-61

10 Years' Average

23 Years' Average

1,026

120

210

3,976

642

462

1,765

320

221

0.109

0.020

0.014

4.7

0.9

0.6

^{*} Not considered for calculating the average.

SERIAL No. 17

River GHATAPRA	ВНА	Site CH	INCHKAND	I	Mon	th JUNE
	Mean discharge (Cusecs)		,	Volume of flow for		
Year (June to May)	1-10	11-20	21-30	W hole month	M.A. F.	T. M.C.
1953-54	N.A.	125	36.580			
54-55	501	2.002	2,006	1.662	0.099	4.3
55-56	N.A.	N.A.	5,674			
1956-57	N.A.	N,A.	N,A.			
57-58	••		30 a.			
<i>5</i> 8-59	37	A STATE	16,351			

Month JULY

Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	W hole month	M.A.F.	T.M.C.
1953-54	83,410	38,212	12,435	40,903	2.515	109.6
54.55	24,918	54,949	13,125	30,421	1.871	81.5
55-56*	44.821	9,698	12,852	22,147	1.362	59.3
1956-57	43,611	45,782	20,604	36.221	2.227	97.0
57-58*	N.A.	N.A.	30,533			
58-59	26,109	88,150	44,822	52,762	3.244	141.3
4 Years' Average	34.865	49,895	23,851	35,388	2.176	94.8

^{*} Not considered for calculating the average.

River GHATAPRA	BHA	Site C	HINCHKAN	DI	Month	AUGUST
Year		Mean disch	arge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	
1954-55	51,171	29,504	8,004	28,864	1.775	77.3
55-56	8,903	12,442	16,795	12,845	0.790	34.4
1956-57	76,548	22,024	11,747	33,167	2.039	88.8
57-58*	16,225	24,976	31,090	24,097	1.482	64.5
58-59	7,922	7,636	13,571	9,500	0.584	25.4
4 Years' Average	36,136	17,902	12,529	21.094	1.297	56.5
		بالل	Month SEPTEMBER			
Year	Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1954-55	7,319	8,810	5,888	7,339	0.437	19.0
55-56	22,412	7,665	10,833	13,637	0.811	35.3
1956-57	5,202	2,877	3,427	3,835	0.228	9.9
57-58*	8,779	5,678	2,948	5,801	0.345	15 0
58-59	10,197	5,405	3,111	6,366	0.379	16.5
4 Years' Average	11,282	6,189	5,815	7,794	0 464	20.2

^{*} Not considered for calculating the average.

SERIAL No. 17

River GHATAPRA	АВНА	Site C	HINCHKAN	IDI	Month	OCTOBER	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.		
1954-55	2,707	1,950	4,985	3,271	0.201	8.8	
55-56	27,161	15,686	10,712	17,623	1.084	47.2	
1956-57	9,563	10,145	1,849	7,013	0.431	18.8	
57-58*	3,181	2,407	9 137	5,045	0.3101	3.5	
58-59	1,366	2,231	610	1,377	0.085	3.7	
4 Years' Average	10,199	7,503	4,539	7,321	0.450	19.6	
			h had b		Month NO	VEMBER	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	
1954-55	495	219	107	274	0.016	0.7	
55-56	2,989	1,771	1,198	1 ,9 86 [‡]	0.118	5.1	
1956-57	18,208	1,699	1,935	8,617	0.513	22.3	
57-58*	4,744	4,103	N.A.	4,530	0.270	11.7	
58-59 ,	321	242	140	234	0.014	0.6	
4 Years' Average.	5,503	983	845	2,778	0.165	7.2	

^{*} Not considered for calculating the average.

SERIAL No. 18

River GHATAPRA	ВНА	Site AN	AGWADI		Mont	h JUNE	
Year		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.		
1949-50 50-51*	685 3,071	784 59	988 474	819 1,201	0.049 0.071	2.1 3.1	
1951-52* , 62-53* 53-54*	N.A 1,220 N.A.	'N.A. 157 N.A.	N.A. 3,066 12,913	N.A. 1,481	N.A. 0.088	N.A. 3.8	
54-55* 55-56	64	$\substack{2,724\\43}$	$1,906 \\ 1,263$	457	0.027	1.2	
195 6 -57 57-58*	453 N.A.	642 N.A.	2,827 2,487	1,308	0.078	3.4	
3 Years' Average	401	490	1,693	861	0.051	2.2	
		1/1			Month	JULY	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1949-50 50-51*	2,217 912	7,818 12,775	4,579 46,171	4,674 20,798	0.287 1.279	12 5 55·7	
1951-52*	N.A. 3,942	N.A. 2,942	N.A. 30,949	$N.A.\ 13,203$	N.A. 0.812	N.A. 35.4	
53-54* 54-55* 55-56	43,185 11,935 17,025	14,533 29,605 6,145	6,418 17,286 7,627	20,896 19,534 10,180	1.285 1.201 0.626	56.0 52.3 27.3	
1956-57 57-58*	26,847 10,379	19,555 29,753	20,464 10,519	22,230 16,678	1.367 1.025	59.5 44.7	
3 Years' Average	15,363	11,173	10,890	12,361	0.760	33.1	

^{*} Not considered for calculating the average.

SERIAL No. 18

River GHATAPR	АВНА	Site Al	NAGWADI		Month	AUGUST
Year	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M, A, F.	T. M. C
1949-50	9,261	5,625	3,186	5,932	0.365	15.9
50-51*	11,099	9,648	2,169	7,462	0.459	20.0
1951-52*	N.A.	N.A.	N.A.			
52-53*	17,417	13,154	8,190	12,768	0.785	3 4.2
53-54*	16,061	26,101	12,404	18,002	1.107	48.2
54-55*	21,016	16,730	6,302	14,412	0.886	38.6
55-56	6,185	7,372	8,704	7,462	0.459	20.0
1956-57	20,020	9,998	5,889	10,551	0.649	28.3
57-58*	6,717	18,350	22,736	15,934	0.980	42.7
3 Years' Average	11.822	7,665	5,926	7,982	0 491	21.4
					Month SEP	TEMBER
	Mean discharge (Cusecs)				Volume of flow for the month	
Vocan			A COLUMN TO SERVE THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE SECTION ADDRESS OF THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE	,		n#h
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	
(June to May)	3,041	11-20	8,234			
		n(%)]된 취임의	month	M. A. F.	T. M. C
(June to May) 1949-50 50-51*	3,041 3,606	1,897 4,556	8,234	4,391	M. A. F.	11.4
(June to May) 1949-50 50-51*	3,041 3,606 N.A.	1,897	8,234 3,951	4,391	M. A. F.	11.4
(June to May) 1949-50 50-51* 1951-52* 52-53*	3,041 3,606	1,897 4,556 N.A.	8,234 3,951 N.A.	4,391 4,038	M. A. F. 0.261 0.240	11.4 10.5
(June to May) 1949-50 50-51* 1951-52* 52-53* 53-54*	3,041 3,606 N.A. 2,683	1,897 4,556 N.A. 653	8,234 3,951 N.A. 1,003	4,391 4,038 1,446	M. A. F. 0.261 0.240 0.086	11.4 10.5
(June to May) 1949-50 50-51* 1951-52* 52-53*	3,041 3,606 N.A. 2,683 4,454	1,897 4,556 N.A. 653 5,655	8,234 3,951 N.A. 1,003 4,788	4,391 4,038 1,446 4,966	M. A. F. 0.261 0.240 0.086 0.295	11.4 10.5 3.7 12.9
(June to May) 1949-50 50-51* 1951-52* 52-53* 53-54* 54-55*	3,041 3,606 N.A. 2,683 4,454 4,936	1,897 4,556 N.A. 653 5,655 5,787	8,234 3,951 N.A. 1,003 4,788 4,498	4,391 4,038 1,446 4,966 5,074	M. A. F. 0.261 0.240 0.086 0.295 0.302	11.4 10.5 3.7 12.9 13.2

^{*} Not considered for calculating the average.

3 Years' Average

5,975

2,982

5,866

4,942

0.294

12.8

SERIAL No. 18

Site ANAGWADI

River GHATAPRABHA

Month OCTOBER

-		Mean dischar	ge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-31	W hole month	M. A. F.	,
1949-50	1,555	1,333	3,902	2,263	0.139	6.1
50-51*	4,357	7,334	3,164	5,718	0.352	15.3
1951-52*	N.A.	N.A.	N.A.			
52-53*	3,374	4,690	1,663	3,637	0.224	9.7
53-54*	4,729	5,681	7,740	6,104	0.375	16.3
54-55*	3,028	2,446	5,800	3,824	0.235	10.2
55-56	18,334	5,381	6,701	10,028	0.617	26.9
1956-57	5,670	6.514	2,449	4,799	0.295	12.9
57-58*	N.A.	N.A.	N.A.			
3 Years' Average	8,520	4,409	4,351	5,697	0.350	15.3
					Month NC	VEMBER
Year		Mean discha	rge (Cusecs)		Volume of the m	
(June to May)	1-10	11-20	21-30	Whole month	M. A F.	T. M. C
1949-50	923	308	182	471	0.028	1.2
50-51*	N.A.	N.A.	N.A.			
1951-52*	N.A.	N.A.	N.A.			
52-53*	,,	• •	,,			
53- 54* · · ·	4,726	951	220	1,965	0.117	5.1

256

2,852

7,208

2,012

3,661

54-55* . . .

3 Years' Average

55-56 .

57-58* .

1956-57

33

255

1,578

257

672

137

1,253

3,447

1,244

1,724

0.008

0.075

0.205

0.074

0.103

0.4

3.2

8.9

3.2

4.4

91

654

1,557

1,465

840

^{*} Not considered for calculating the average.

Dinan CHATADDA	DITA G		u ivo. 19 Utitsanci	N M/r	Mon	th JUNE
River GHATAPRA	BHA Site MURMUTTISANGAM Mean discharge (Cusecs)				Volume of flow f or	
Year	meun aischarge (Casecs)		Whole	the month		
(June to May)	1-10	11-20	21-30	month	M.A. F.	T. M. C
1949-50						
50-51	78	74	72	75	0.004	0.2
1951-52*	N.A.	N.A.	N.A.			
52-53	250	15	2,036	767	0.046	2.0
53-54	(Nil)	(Nil)	11,253	3,751	0.223	9.7
54-55	,,	238	282	173	0.010	0.4
55-56*	N.A.	N.A.	N.A.			
1956-57	(Nil)	62	785	282	0.017	0.7
57-58*	N.A.	N.A.	N.A.			
58-59*	**		3,267			
5 Years' Average	66	78	2,886	1,010	0.060	2.6
					Mo	nth JULY
	Mean discharge (Cusecs)			Volume o		
Year (June to May)	1-10	11-20	21-31	Whole month	$\frac{the \ m}{M.A.F.}$	T.M.C
1040 70			<u> </u>			
1949-50	60	10,728	19,900	7,286	0.448	19.5
1951-52*	N.A.	N.A.	N.A.			
52-53	2,490	1,523	42,517	I4,579	0.896	39.0
53-54	49,779	18,660	3,037	16,600	1.021	44.5
54-55	8,314	38,686	9,128	18,400	1.131	49.3
55-56*	N.A.	N.A.	2,636	,		±0.0
1956-57	23,098	17,314	6,244	15,252	0.938	40.9
57-58*	3,990	18,379	6,132	9,392	0.577	25.2
58-59*	,	-	•	•		
5 Years' Average	16,748	17,382	16,165	14,423	0.887	38.6

^{*} Not considered for calculating the average.

SERIAL No. 19

	Meun discharge (Cusecs)					Volume of flow for	
Year			ř · · · · · · · ·	Whole	the m		
(June to May)	1-10	11-20	21-31	month	M.A.F.	T. M. C.	
1949-50*	18,185	9,767	5,495	13,204	0.812	35.4	
50-51	10,637	9.760	1.130	6,728	0.414	18 0	
1951-52*	N.A.	N.A.	N.A.				
52-53	29,991	6,667	20,500	19,100	1.174	51.2	
$53-54 \dots$	22,553	37,654	8,281	23,331	1.435	62.5	
54-55	29,756	24,974	2,615	18,583	1.143	49.8	
55-56*	4,575	5,648	6,279	5,526	0.340	14.8	
1956-57	18,577	8,885	3,617	8,893	0.547	23.8	
57-58*	2,517	8,031	11,150	7,233	0.445	19.4	
5 Years' Average	22,303	17,588	7,229	15,327	0.943	41.1	

Month SEPTEMBER

		Mean dischar	ge (Cusecs)		Volume of flow j	
Year (June to May)	1-10	11-20	21-30	Whole month	$\frac{the\ m}{M.\ A.\ F.}$	onth T. M. C
1949-50*	4,028 4,148	1,935 7,121	8,211 3,053	4,725 4,413	0.281 0.263	12.2
50-51	N.A. 911	N.A. 265	N.A. 570	678		11.4
52-53 $53-54$	1,379	2,612	305	1,512	0.040 0.090	1.8 3.9
54-5 5	4,240 8,555	3,020 2,460	1,428 4,098	2,896 5 , 038	0.172 0.300	7.5 13.1
1956-57	1,141	532	1,092	922	0.055	2.4
5 Years' Average	2,364	2,710	1,290	2,084	0.124	5.4

^{*} Not considered for calculating the average.

SERIAL No. 19

River GHATAPRA	ABHA	Site MURI	MUTTISANO	GAM	Month O	CTOBER
YZ		Mean disc	harge (Cusecs		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.
1949 50*	1,018	448	1,697	1,118	0.069	3.0
50-51	5,061	13,484	353	6,724	0.413	18.0
51-52*	N.A.	N.A.	N.A.			
52-53	2,562	3,011	377	1,932	0.119	5.2
53-54	3,035	2,109	5,447	3,464	0.213	9.3
1951-55	8 82	200	1,584	889	0.055	2.4
55-56*	12,615	3,669	3,736	6,588	0.405	17.6
1956-57	2,678	2 ,23 8	419	1,735	0.107	4.6
5 Years' Average	2,844	4,208	1,636	2,949	0.181	7.9
		Mean dische	irge (Cusecs)	-		VEMBEI
Year			1	Whole	Volume of flow for the month	
(June to May)	1-10	11-20	21-30	month	M.A.F.	T.M.C
1953-54	3,8 3 2 20 2,763	152 10 102	11 N.A. 8	1,812 1,147	0.108 0.068	4.7 3.0
1956-57	2,742	222	304	1,089	Q QCE	
57-58	2,742 414	371	304 41	1,009 275	0.065	2.8
01-00	414	911	41	619	0.016	0.7

^{*}Not considered for calculating the average.

iver HIRANYAKESHI (Ghatapı		abha) Site AJRA			Month JUNE		
Year	A	lean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M A. F.	T. M. C	
1904-05*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
05-06	Nil	56	397	151	0.009	0.4	
1906-07	Nil	97	2,290	796	0.047	2.1	
07-08	,,	585	1,685	757	C.045	2.0	
08-09	**	612	1,346	653	0.039	-1.7	
09-10	18	629	3,240	<i>1,296</i>	0.077	3.4	
10-11	Nil	98	5,944	2,014	0.120	5.2	
6 Years' Average	3	346	2,484	944	0.056	2.5	
1911-12	101	5,234	1,963	2,433	0.145	6.3	
12-13	Nil	511	2,631	1,047	0.062	2.7	
13-14	466	2,782	2,661	1,970	0.117	5.1	
14-15	Nil	90	2,318	803	0.048	2.1	
15-16	,,	81	6,195	2,093	0.125	5.4	
1916-17	660	3,283	9,400	4,448	0.265	11.5	
17-18	3	2,184	4,591	2,259	0.134	5.9	
18-19	1,285	622	1,466	1 124	0.067	2.9	
19-20	131	1,608	1,936	1,225	0.073	3.2	
20-21	Nil	1,112	2,358	1,157	0.069	3.0	
10 Years' Average	265	1,751	3,552	1,856	0.110	4.8	
1921-22	Nil	1,877	1,758	1,212	0.072	3.1	
22-23	14	129	4,418	1,520	0.090	3.9	
23-24	2	82	696	260	0.015	0.7	
24.25	Nil	950	1,015	655	0.039	1.7	
25-26	491	182	5,203	1,959	0.117	5.1	
1926-27	Nil	110	113	74	0.004	0.2	
6 Years' Average	84	555	2,200	947	0.056	2.5	
2 Years' Average	144	1 042	2,892	1.359	0.081	3.5	

^{*} Not considered for calculating the average.

River HIRANYAKES	SHI (Ghata	prabha)	Site	AJRA	Mont	-
Year -		Mean dischar	ge (Cusecs)		Volume of the mo	f flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1904-05*	10,415	3,385	3,533	5,705	0.351	15.3
05-06	4,336	2,517	8,764	5,320	0.327	14.2
1906-07	3,231	4,528	10,630	6,275	0.386	16.8
07-08	1,989	1,845	11,063	5.162	0.317	13.8
08-09	7,133	8,900	7,180	7,720	0.475	20.7
09-10	6,886	12,126	7,268	8,712	0.536	23.3
10-11	9,099	1,536	1,584	3,993	0.246	10.7
6 Years' Average	5,446	5,242	7,748	6,197	0.381	16.6
1911-12	1,961	7,292	3,118	4,091	0.252	11.0
12-13	5,072	5,032	17,769	9,564	0.588	25.6
13-14	1,880	7,386	70,020	27,835	1.712	74.6
14-15	4,970	11,516	16,136	11,044	0.679	29.6
15-16	5,754	1 750	8,360	5,387	0 331	14.4
1916-17	3,010	2,552	4,237	3,298	0.203	8.8
17-18	1,918	1,805	5,926	3,304	0.203	8.8
18-19	4,067	777	716	1,817	0.112	4.9
19-20	5,366	1,574	5 ,583	4,220	0.259	11.3
20-21	5,864	7,752	6.507	6,701	0.412	17.9
10 Years' Average	3,986	4,744	13,837	7,726	0.475	20.7
1921-22	660	992	10,256	4,166	0.256	11.2
22-23	8,100	4,156	10,069	7,526	0.463	20.2
23-24	6,683	12,328	13,108	10,784	0.663	28.9
24-25	$2,484 \\ 2,237$	11,985	7,283	7,252	0.446	19.4
		11,367	5.444	6,320	0.389	16.9
1926-27	8,456	2,358	4,108	4,946	0.304	13.2
6 Years' Average	4,770	.7,194	8,378	6.832	0.420	18.3
22 Years' Average	4,598	5,548	10,688	7,065	0.434	18.9

^{*} Not considered for calculating the average.

SERIAL No. 20

HIRANYAKESHI (Ghataprabba) Site AIRA Month AUGUST Mean discharge (Cusecs) Volume of flow for Yearthe month Whole(June to May) 1-10 11-20 21-31 T. M. C. month M.A.F.1904-05* 5.802 3,746 1,536 3,625 0.2239.7 05-06 2,535 2,537 1,711 2,243 0.138 6.0 1906-07 2,818 2,411 4,883 0.173 7.5 952 07-08 13,217 9,411 3,465 8,529 0.52122.8 08 - 098,183 2,793 3,384 4,741 0.29212.7 1906 09 - 104,100 899 827 0.1175,1 10-11 11,172 5,255 1,863 5 960 0 366 16.0 6 Years' Average 6,936 3,641 0.26811.7 2,689 4,3661911-12 3,918 7,322 4,116 5,086 0.31313.6 12-13 9,841 5,063 2,373 5,650 0.34715.1 13-14 7,658 1.379 2,434 3.779 0.23210.1 14-15 14,403 3,237 4,440 7,266 0.44719.5 15-16 18,075 7,166 19.2 1.890 2.046 0.4411916-17 10,926 6,529 6.315 2,725 0.40117.5 2,394 17 - 182,545 1,360 3;198 0.1476.4 3,635 18-19 4,024 4,055 0.24910.9 4,548 4,688 19-20 6,822 2,042 5,153 0.28812.6 20 - 214,941 1,785 1,713 2,778 0.171 7.4 10 Years' Average 8,315 3,494 3,183 4,939 0.30413.2 1921-22 6.8276,438 2,258 5,080 0.31213.6 22 - 234,484 3,243 3,340 3,678 0.2269.9 7.803 7,066 5,801 23-24 2,830 0.357 15.5 3.970 24-25 4,385 3,312 4,192 0.24410.6 2,555 2,367 0.165 25-263.082 2,681 7.2 1926-27 11,387 5,630 3,765 6,825 18.3 0.4206 Years' Average 6,240 4,676 3,244 4,672 0.28712.5

3,856

7,373

22 Years' Average

.3,065

4.710

0.290

12.6

^{*} Not considered for calculating the average.

River HIRANYAKES		Mean discha	rge (Cusecs)		Volume o	f flow for	
Year			Whole		the month		
(June to May)	1-10	11-20	21-30	month	M.A.F.	T.MC	
1904-05*	1,313	2,429	885	1,529	0.091	4.0	
05-06	1,168	1,309	454	977	0.058	2.5	
1906-07	2,534	1,249	670	1,484	0 088	3.8	
07-08	1,322	771	1,332	1,142	0.068	3.0	
08-09	1,321	704	934	986	0.059	2.6	
09-10	1,215	1,011	968	1,065	0.063	2.8	
10-11	2,888	1,385	1,472	1,915	0.114	5.0	
6 Years' Average	1,741	1,072.	972	1,262	0.075	3.3	
1011 10		0.403	100	1.056	0.110		
1911-12	2,547	2,496	824	1,956	0.116	5.1	
12-13	1,823	616	513	984	0.059	2.6	
13-14	1,282	640	572	831	0.049	2.2	
14-15	1,626	6,374	2,139	3,380	0.201	8.8	
15-16	2,825	2,259	1,650	2,245	0.134	5.8	
1916-17	2,399	3,475	2,265	2,713	0.161	7.0	
17-18	5,219	934	918	2.357	0.140	6.1	
18-19	1,162	508	360	677	0.040	1.8	
19-20	1,911	640	569	1 040	0.062	2.7	
20-21	1,013	715	616	781	0.046	2.0	
•		-J-11	वि नगर्व				
10 Years' Average	2,181	1,866	1,043	1,696	0.101	4.4	
1921-22	2,324	1,876	1,164	1,788	0.106	4 6	
22-23	2,103	1,707	879	1,563	0.093	4.1	
23-24	728	869	1,787	1,128	0.067	2.9	
24-25	2,480	1,006	976	1,487	0.088	3.9	
25-26	1,150	599	404	718	0.043	1.9	
1926-27	1,768	1,278	1,416	1,487	0.088	3.9	
6 Years' Average	1,759	1,222	1,104	1,362	0.081	3.5	
22 Years' Average	1,946	1,474	1,040	1,487	0.088	3.9	

^{*} Not considered for calculating the average.

SERIAL No. 20

River HIRANYAKE	SHI (Ghata	prabha)	Site A	JRA	Month O	CTOBER	
Year		Mean discharç	ge (Cusecs)	3	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. O	
1904-05*	361	259	189	267	0.016	0.7	
05-06	246	216	142	199	0.012	0.5	
1906-07	457	394	220	<i>353</i>	0.022	0.9	
07-08	866	403	217	486	0.030	1.3	
08-09	381	221	143	245	0.015	0.7	
09-10	882	494	218	<i>521</i>	0.032	1.4	
10-11	2,398	801	505	1,211	0.074	3.2	
6 Years' Average	872	422	241	502	0.031	1.3	
1911-12	615	573	319	496	0.030	1.3	
12-13	410	356	197	317	0.030	0.8	
13-14	455	240		305			
			183		0.019	0.8	
14-15	965	530	322	597	0.037	1.6	
15-16	2,333	1,209	814	1,431	0.088	3.8	
1916-17	1,154	1,166	798	1,032	0 063	2.8	
17-18	1,436	735	641	928	0.057	2.5	
18-19	235	133	105	<i>156</i>	0.010	0.4	
19-20	915	490	298	<i>559</i>	0 034	1.5	
20-21	252	213	158	206	0.013	0.6	
10 Years' Average	877	570	384	603	0.037	1.6	
1921-22	568	299	140	329	0 020	0.9	
22-23	496	307	146	311	0.019	0.8	
23-24	458	202	119	255	0.016	0.7	
24-25	618	431.	181	403	0.025	1.1	
	343	410	158	299		0.8	
25-26	343	410	198	299	0.018	U.Q	
1926-27	682	293	145	366	0.023	1.0	
6 Years' Average	528	324	148	327	0.020	0.9	
22 Years' Average	780	463	281	500	0.031	1.3	

^{*} Not considered for calculating the average.

SERIAL No. 20

		Mean discha	rge (Cusecs)		Volume of	flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
				116016016	M. 21. F.	1.11.0
1904-05* ,	94	67	54	72	0.004	0.2
05-06	85	70	60	72	0.004	0.2
1906-07	145	110	78	111	0.007	0.3
07-08	135	99	74	103	0.006	0.3
08-09	214	163	134	170	0.010	0.4
09-10	179	98	78	118	0 007	0.3
10-11	275	224	113	204	0.012	0.5
6 Years' Average	172	127	-90	130	0.008	0.3
1911-12	152	89	81	107	0.006	0.3
12-13	120	89	211	<i>140</i>	0.008	0.4
13-14	93	76	68	79	0.005	02
14-15	127	107	83	106	0.006	03
15-16	502	226	126	285	0.017	0.7
1916-17	2,156	1,366	823	1,448	0 086	3.8
17-18	428	308	274	337	0.020	0 9
18-19	103	92	68	88	0 005	0 2
19-20	198	227	156	194	0.012	0.5
20-21	91	74	14 44 1 59	75	0.004	0.2
10 Years' Average	397	265	195	286	0.017	0.8
1921-22	368	147	96	204	0.012	0.5
22-23	179	246	236	220	0.013	06
23-24	73	22	(34)	4 3	0.003	0.1
24-25	118	90	70	93	9.006	0.2
25-26	95	81	57	78	0.005	0.2
1926-27	96	7 5	55	75	0.004	0.2
6 Years' Average	155	110	91	119	0.007	0.3
22 Years' Average	270	185	138	198	0.012	0.5

^{*} Not considered for calculating the average.

Year -	Λ	Iean dis harg	Volume of flow for the manth			
(June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T, M, C
				·	J	-
1904-95*	42	36	30	36	0 002	6.1
05-06	42	(Nil)	(Nil)	14	0 001	Nil
1906-07	54	48	44	4 9	0.003	0.1
07-08	59	41	Nil	32	0.002	0.1
08-09	111	85	75	90	0 006	0 2
09-10	61	48	38	49	0 003	0 1
10-11	85	66	51	67	0 004	0.2
6 Years' Average	69	48		50	0.003	0.1
1911-12	71	51	40	54	0 003	0.1
12-13	66	52	40	52	0.003	0.1
1 -14	62	53	44	53	0.003	0.1
14-15	63	64	50	5 9	0.004	0.2
15-16	97	79	64	79	0.005	0.2
1916-17	474	249	112	273	0.017	0.7
17-18 ,	184	16141	107	143	0.009	0.4
18-19	53	43	32	4 2	0 003	0.1
19-20	132	130	- HU - 96	119	0.007	0.3
20-21	48	36	32	38	0.002	0.1
10 Years' Average	125	90	62	91	0.006	0.2
1921-22	67	51	39	52	0.003	0.1
22-23	118	81	62	86	0.005	0.2
23-24	46	30	2 3	33	0.002	$0.\overline{1}$
24-25	51	41	27	39	0.092	0.1
25-26	44	36	28	36	0.602	0.1
1926-27	44	36	27	35	0.002	0.1
6 Years' Average	62	46	34	47	0.003	0.1
22 Years' Average	93	67	47	68	0.004	0.2

^{*} Not considered for calculating the average.

SERIAL No. 20

ESHI (Ghat	aprabha)	Site AJRA		Month	JANUARY
	Mean disch	arge (Cusecs)			of flow for
1-10	11-20	21-31	$Whole \\ month$	M. A. F.	
		j	Mean discharge (Cusecs)	Mean discharge (Cusecs)	Mean discharge (Cusecs) Volume

Data not available for the period from 1904-05 to 1918-19

					सन्दर्भव व	지구			
1919-20				71	69	54	64	0.004	9.2
2 0-21	•	•	•	27	20	18	22	0.001	0.1
1921-22		•	•	43	36	24	34	0.002	0.1
22-23		•	•						
23-24									
24-25									
25-26	•	•	•						
1926-27	•	,	•						

SERIAL No. 20

River HIRANYAK	ESHI (Ghat	aprabha)	Site AJR	A	Month FE	BRUARY
*77	AND PARTY OF THE P	Mean discha	rge (Cusecs)		Volume o	
Year (June to May)	1-10	11-20	21-28 29	$Whole \\ month$	M. A. F.	T. M. C.

Data not available for the period from 1904-05 to 1918-19

बरवांग्रेड अपन

		•		42 14	32 11	19 6	31 10	0.002 0.001	0.1 Nil
1921-22				22	19	13	18	0.001	Nil
22-23									
23- 24									
24-25									
25-26	•		•						
1926-27									

SERIAL No. 20

River HIRANYAK	ESHI (Ghat	aprabha)	Site AJRA	4	Month	MARCH	
Year		Mean dischar	rge (Cusecs)	Whole	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.	

Data not available for the period from 1904-05 to 1918-19

यस्य मेन स्थान

1919-20			•	12	7	Nil	6	Nil	Nil
20-21	٠	. •	•	2	1	1	1	**	,,
1921-22				5	3	1	3	Nil	Nil
22-23	٠								
23-24			•						
24-25									
25-26		•							
1926-27	•	٠							

SERIAL No. 20

River HIRANYAL	KESHI (Ghat	aprabha)	Site AJR	RA	Montl	APRIL	
Year	Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	

Data not available for the period from 1904-05 to 1918-19

नकापेन नवन

1919-20				Nil	Nil	Nil	Nil	Nil	Nil
20-21	•	٠	•	**	"	**	",	,,	,,
1921-22	•.			Nil	Nil	Nil	Ňšl	Nil.	Nil
22-23			•		·				
23-24			•						
24-25									
2 5-2 6									
1926-27			•						

SERIAL No. 20

River	HIRANYAKESHI	(Ghataprabha)	Site	AJRA
-------	--------------	---------------	------	------

Month MAY

		Mean d ischa	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	$\frac{nth}{\mid T. M. C.}$

Data not available for the period from 1904-05 to 1918-19



1919-20 20-21		•		Nil	Nil	Nil	Nil	Nil ,,	Nil ,,
1921-22				NiÌ	Nil	Nil	Nil	Nil	Nil
22-23				7/11	7411	1411	74.00	1411	
23-24									
24- 25									
25-26	٠	•	•						
1926-27			•						

River MARKANDE	EYA (Ghatar	orabha)	Site BASA	PUR	Mo	nth JUNE	
Year		Mean dische	arge (Cusecs)	7	Volume the m	of flow for	
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C	
1949-50	50	29	31	35	0.002	0.1	
3 95 1-52	(Nil)	20	173	64	0.004	0.2	
52-53	,,	10	106	39	0.002	0.1	
53-54	,,	(Nil)	1,448	483	0.029	1.3	
54-55	10	139	53	67	0.004	0.2	
5 Years' Average	12	40	362	138	0.008	0.4	
		450	3 3 1 2 1		Mos	nth JULY	
-		Mean discha	rge (Cusecs)		Volume of flow for		
Year	!	S14 WAS	建建	Whole	the me	onth	
(June to May)	1-10	11 -20	21-31	month.	M. A. F.	T. M. C.	
1949-50 50-51	51	550	399	335	0.021	0.9	
30-1 F3	110		37.004	110	0.096	11	
1951-52	$\frac{116}{121}$	80 80	1,004	416 841	0.026 0.052	1.1 2.3	
53-54	3,256	928	2,186	1,446	0.089	2.3 3.9	
54-55	$\begin{array}{c} 5,250 \\ 51 \end{array}$	$\frac{926}{29}$	31	37	0.002	0.1	
5 Years' Average	719	332	779	615	0.038	1.7	
	No.				Month	AUGUST	
Year -		Mean dischar	rge (Cusecs)		Volume of		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	$\frac{n!h}{T, M, C}$	
		<u> </u>		month	M. A. F.	1. 14.0.	
1949-50	344	281	193	270	0.017	0.7	
1951-52	693	596	217	493	0.030	1.3	
52-53	1,369	449	386	72 4 _	0.045	1.9	
53-54	946	1,800	442	1,042	0.064	2.8	
54- 55	51 ————	560	399	339 ————	0.021	0.9	
5 Years' Average	681	737	327	574	0.035	1.5	

Year		Mean disch	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T, M, C
1949-50 50-51	108	65	126	100	0.006	0.3
1951-52	95	65	80	80	0.005	0.2
52-53	146	68	48	87	0.005	$0.\bar{2}$
53 -5 4	178	146	128	<i>151</i>	0.009	0.4
54-5 5	154	171	131	152	0.009	0.4
5 Years' Average	136	103	103	114	0.007	0.3
		AND	5127		Month C	CTOBER
TV		Mean discha	irge (Cusecs)			f flow for
Year	- 10	数学》,数学	13.70分	Whole	the mo	nth
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1949-50	74	53	11111175	103	0.006	0.3
50-51*	N.A.	355	166	247	0.015	0.7
1951-52	254	125	112	162	0.010	0.4
52-53	264	216	101	191	0.012	0.5
53-54	384		669	420	0.026	1.1
54-55	164	92	119	125	0.008	0.3
5 Years' Average	228	133	235	200	0.012	0 5
					Month NO	VEMBER
77		Mean disch o	rge (Cusecs)		Volume o	
Year (June to May)	4 40	77.00	97.20	Whole	the mo	nth
(Same to may)	1-10	11-20	21-30	month	M. A. F.	T. M. C.
1949-50	62	42	32	45	0.003	0.1
50-51*	$9\overline{2}$	59	35	58	0.003	0.2
19 5 1-52	46	32	87	55	0.003	0.1
52-53	57	38	24	40	0.002	0.1
53-54	238	90	63	130	0.008	0,3
		E 0	44	53	0.003	0.1
54-55	63	52	77	00	0.003	0.1

^{*} Not considered for calculating the average.

SERIAL No. 22

Site ASOGA

Month JUNE

River MALAPRABHA

55-56 . . .

1956-57* . . .

Mean discharge (Cusecs) Volume of flow for Year the month Whole (June to May) 1-10 11-20 21-30 M. A. F.T. M. C. month 1949-50 . . . 98 44 282 142. 0.008 0.4 50-51* . . . N.A. N.A. N.A. 220 338 0.0200.9 1951-52 . . . 8 786 387 129 0 0.352-53 . . . (Nil) (Nil) N.A. N.A. 2,511 N.A. 54-55* . . .

57-58	٠			(N11)	(Nil)	57	19	0.001	Nil
58-59	•		•	**	**		356	0.021	0.9
59-60	•			**	,,	(Nil)	(Nil)	(Nil)	(Nil)
60-61		•		,,	7	474	160	0.010	0.4

(Nil)

N.A.

(Nil)

(Nil)

(Nil)

(Nil)

N.A.

(Nil)

N.A

¹³ 0.4 34 8 Years' Average 382 143 0:008

^{*} Not considered for calculating the average.

SERIAL No. 22

River MALAPRABHA

Site ASOGA

Month JULY

-	Л	Lean discharge	e (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50	223	2,091	833	1,042	0.064	2.8
50-51*	N.A.	N.A.	N.A.			
1951-52	285	156	2,381	987	0.061	2.6
5 2 -53	227	-4 333 [™]	3,692	1,490	0.092	4.0
53-54*	N.A.	716	969	869	0.053	2.3
54-55*	N.A.	N.A.	N.A.			
55-56	938	559	367	613	0.038	1.6
1956-57*	3,042	1,834	FT1,911	2,251	0 138	6 0
57-58	1,256	1,878	709	1,263	0.078	3.4
5 8 -5 9	3,156	4,825	2,217	3,361	0.207	9 0
59-60	1,255	613	1,305	1,066	0.066	2.9
60-61	2,614	227	1 480	1, 4 42	0.089	3.9
8 Years' Average	1,244	1,335	1 623	1,408	0 087	3.8

^{*} Not considered for calculating the average.

River MALAPRAE	ВНА	Sire A	SOGA		Mon:h	AUGUST
Year -	-	Mean discha	Volume o	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1949-50	1,225	771	360	772	0.047	2 1
50-51*	N.A.	N.A.	N.A.			
1951-52	1,657	1,152	446	1,064	0.065	₽.8
52-53	1,896	778	767.	1,135	0.070	3.0
53-54*	3,120	2,793	1,104	2,339	0.144	6.3
54-55*	3,317	957	314	1,490	0.092	4.0
55-56	966	436	1,098	842	0.052	2.3
1956-57*	2,841	1,062	티 뒤길루 394	1,399	0.086	3.7
57-58	2,324	931	2,525	1,946	0.120	5.2
58-59	442	736	987	730	0.045	2.0
59-60	1,257	57 9	1,293	1,043	0,064	2.8
60-61	1,790	1 194	407	1,107	0.068	3.0
8 Years' Average	1,445	822	985	1,080	0.066	2.9

^{*} Not considered for calculating the average

River MALAPRA	ВНА	Site	ASOGA		Month SEP	TEMBER	
Year		Mean dische	arge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	$\int T. M. C$	
1949-50 :	347	345	430	374	0.022	1.0	
50-51*	N.A.	N.A.	N.A.				
1951-52	124	61	126	104	0.006	0.3	
52-53	150	73	67	96	0.006	0.2	
53-54*	356	189	118	224	0.013	0.6	
54-55* . • .	322	523	306	<i>384</i>	0.023	1.0	
55-56	980	340	393	571	0 034	1.5	
1956-57*	335	有写真 167	व नपने 228	244	0.015	0.6	
57-58	219	191	101	170	0.010	0.4	
58-59	666	411	171	416	0.025	1.1	
59-60	902	346	313	520	0.031	1.3	
60-61	147	112	111	124	0.007	0,3	
8 Years' Average	442	235	214	297	0.018	0.8	

^{*} Not considered for calculating the average.

River MALAPRA	ВНА	Site	ASOGA	Month OCTOBER		
Year		Mean disch	arge (Cusecs)		Volume of fle	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50	136	70	196	136	0.008	0.4
50-51*	N.A.	N.A.	N.A.			
1951-52	551	170	68	257	0.016	0.7
52-53	285	262	- · · · 81	205	0.013	0.5
53-54*						
54-55*	209	122	93	140	0.009	0.4
55-56	2,550	750	815	1,176	0.072	3.1
1956-57*		(Can)				
57-58	241	298	시의 취임기 221	252	0.015	0.7
58-59	241	140	76	150	0.009	0.4
59-60	185	118	72	123	0.008	0.3
60- 6 1	63	-57	48	55	0.003	0.1
8 Years' Average	532	233	135	294	0.018	0.8

^{*} Not considered for calculating the average.

River MALAPRAB	ВНА	Site ASC	OGA		Month NC	VEMBER
77		Mean discharg	Volume of flow for			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1949-50	63	39	18	40	0.002	0.1
50-51*	202	89	32	110	0.007	0.3
1951-52	36	(Nil)	(Nil)	12	0.001	(Nil)
52-53	59	27	13	33	0.002	0.1
5 3-54*	N.A.	N.A.	N.A.			
54-55*	44	24	,,	34	0.002	0.1
55 -5 6	158	78	41	92	0.005	0.2
1956-57*	134	71	73	93	0.006	0.2
57-58	272	382	नयने 74	243	0.014	0.6
58-59	40	21	8	23	0.001	0.1
59-60	73	90	25	63	0.004	0.2
60-61 . , .	41	30	18	30	0.002	0.1
8 Years' Average	93	83	25	67	0.004	0.2

^{*} Not considered for calculating the average.

River MALAPRAB	HA	Site ASOC	iA		Month DE	CEMBER	
Year		Mean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1949-50	13	11	15	13	0.001	Nil	
50-51*	N.A.	N.A.	N.A.				
1951 -5 2	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
5 2- 53 ,	16	15	9	14	0.001	Nil	
53-54*							
54-55*		111	THE				
55-56	22	9	2	11	0.001	Nil	
1956-57*	28	16	= 국 교 국10	18	0.001	Nil	
57-58	35	14	7	18	0.001	,;	
58-59	17	9	7	11	0.001	,,	
59-60	13	4	4	7	Nil	,,	
60-61 . , .	12	7	2	7	,,	,,	
8 Years' Average	16	9	6	10	0.001	Nil	

^{*} Not considered for calculating the average.

SERIAL No. 23

River N	IAI	.A	PRA	ВНА	Site I	KOLCHI		Mon	th JUNE
37				Л	Iean dischar	ge (Cusecs)		Volume o	
$egin{array}{c} Yea \ (June\ to) \end{array}$					I	2	Whole	the mo	nth
(Sune it	111	<i>uy</i>	·)	1-10	11-20	21-30	month	M. A. F.	T. M. C.
1951-52				3,700	567	1,596	1,676	0.100	4.3
52-53				294	8	896	38 4	0.023	1.0
53-54				96	112	3,375	1,110	0.066	2.9
54-55				429	384	374	<i>396</i>	0.024	1.0
55-5 6	•	•	•	393	129	95 2	506	0.030	1.3
1956-57				(150)	193	3,676	1,340	0.080	3.5
57-58				625	2,161	2,051	1,655	0.098	4.3
58-59				283	182	5,559	1,935	0.115	5.0
59-6 0				242	403	2,757	1,134	0.067	2.9
60-61	•	•	•	110	130	1,328	522	0.031	1.4
10 Years'	Av	er	age	632	427	2,256	1,066	0.063	2.8

Month JULY

77		Mean dischar			Volume of the mo	
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M.A.F.	T. M. C
1951-52 · · ·	1,241	778	4,148	1,596	0.098	4.3
52-53	920	304	5,402	2,398	0.147	6.4
53-54	9,188	3,092	945	4,329	0.266	11.6
54-55	5,305	8,183	2,815	<i>5,235</i>	0.322	14.0
55-56	2,406	1,316	1,100	1,577	0.097	4.2
1956-57	8,492	8,114	7,596	8,051	0.495	21.6
57-58	6,141	12,939	3,649	7,576	0.466	20.3
58 -5 9 · · ·	19,676	52,421	22,250	31,121	1.914	83.4
59-60	25,217	11,264	16,478	17,615	1.083	47.2
60-61	9,190	2,048	4,751	5,311	0.327	14.2
10 Years' Average	8,778	10,046	6,913	8,481	0.522	22.7

SERIAL No. 23

River N	ſΑ	LA	PRA	ВНА	Stte	KOLCHI		Month	AUGUST
V				Mean dischdrge (Cusecs)					of flow for
(June t	eai		w)	1-10	11-20	21-37	Whole	- the m	$\frac{onth}{\sqrt{1-\frac{1}{2}}}$
			9.)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1951-52				3,591	3,117	1,952	2,805	0.172	7.5
52-5 3			4	5,001	4,227	3,715	4,288	0.264	11.5
53-54				6,565	16,364	2,960	6,902	0.424	18.5
54-55				7,433	4,115	2,196	5,154	0.317	13.8
5 5- 56	٠	•	•	1,320	1,176	2,734	1,744	0.107	4.7
1956-57				19,962	4,967	3,458	9.773	0.601	26.2
57-58				6,818	4,210	13,356	8,467	0.521	22.7
58-59			•	2,589	3,282	3,743	3,228	0.198	8.6
59-60				6,066	3,562	4,105	4.562	0.281	12.2
60-61	•	•	٠	6,591	5,821	2,490	4,888	0.301	13.1
10 Years	'_A	ve:	rage	6.494	5,084	4,071	5,181	0.319	13.9

Month SEPTEMBER

77		Mean dischar	ge (Cusecs)		Volume of flow for the month	
Year 'June to May)	1-10	1-10 11-20 1 21-30		Whole month	M. A. F:	T. M.C.
1951-52	1,260	692	838	906	0.054	1
52-53	1,095	684	650	816	0.049	2.1
53-54	920	635	492	716	0.043	1.9
54-55	1,806	2,392	1,622	1,923	0.114	5.0
55-56	3,782	1,804	3,540	3,090	0.184	8.0
1956-57	2,163	2,300	2,312	2,258	0.134	5.9
57-58	2,031	2,137	1,368	1,857	0.110	4.8
58-59	2,906	2,024	1,596	2,196	0.131	5.7
59-60	5,009	2,731	3,630	3,790	0.226	9.8
60-61	1,592	1,244	2,694	1,844	0.110	4.8
10 Years' Average	. 2,256	1,664	1,874	1,940	0.116	5.0

SERIAL No 23

River MALAPRA	BHA	Site	KOLCHI		Month C	CTOBER
Year	<u> </u>	Mean arscha	rge (Cuseos)		Volume of the m	flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F	T. M. C
1951-52	3,974	1,154	604	2,051	0.126	5.5
52-53	1,453	767	286	817	0.050	2.2
53-54	1,824	4,024	3,931	3,527	0.217	9.4
5 4-5 5	858	900	633	795	0.049	2.1
5 5-5 6	8,302	4,883	3,400	5,422	0.333	14.5
1956-57	3,127	8,537	2,211	4,623	0.284	12.4
5 7-5 8	2,567	1.748	(1.578)	1.950	0.120	5.2
58-39	1,168	1,340	860	1,105	0.068	3.0
5 9-6 0	1,503	1,136	1,711	1,458	0.090	3.9
60-61	1,368	1,026	566	973	0.060	2.6
10 Years' Average	2,614	2,551	1,578	2,272	0.140	6.1
		47.58			Month NC	VEMBER
		Mean 'dìschài	ge (Cusecs)		Volume o	f flow for
Year	7 70	सन्त्राप	नियन	Whole	the mo	
(June to May)	1-10	11-20	21-30	month	M, A, F.	T.M. C
1951 52	585	546	52	553	0.033	1.4
52 53	166	150	157	157	0.009	0.4
53 54		- ah	2011	867	0.052	
∂∂ ∪*t	1,788	56 2	290			22
54 55	254	262	267	261	0.016	2 2 0.7
						2.2 0.7 2.0
54 55	254 1,182 4,895	262 686 1,861	267 350 1,730	261 75 4 2,871	0.016	0.7
54 55	254 1,182 4,895 (1,209	262 656 1,861 (666)	267 350 1,730 (542)	261 754 2,871 (804)	0.016 0.045 0.171. (0.048)	0.7 2 0 7.4 (2.1)
54 55	254 1,182 4,895 (1,209 447	262 686 1,861 (6601 406	267 350 1,730 (542) 511	261 754 2,871 (804) 455	0.016 0.045 0.171 (0.048) 0.027	0.7 2 0 7.4 (2.1) 1.2
54 55	254 1,182 4,895 (1,209	262 656 1,861 (666)	267 350 1,730 (542)	261 754 2,871 (804)	0.016 0.045 0.171. (0.048)	0.7 2 0 7.4 (2.1)

542

808

0.048

2.1

660

1,209

10 Years' Average

Year		Mean discha	rge (Cusecs)	1	Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1951-52	241	6	10	31	0.002	0.1
52-53	158	152	134	<i>14</i> 8	0.009	0.4
53-54	174	148	160	<i>161</i>	0.010	0.4
54-55	195	208	189	197	0.012	0.5
55-56	295	(265)	(235)	264	0.016	0.7
1956-57	501	36 4	272	370	0.023	1.0
57-58	(285)	(205)	(189)	(225)	(0.014)	(0.6)
58-59	457	283	268	`33 4	0.021	0.9
59-60	354	319	327	333	0.020	0.9
60-61	188	99	102	129	0.008	0.3
10 Years' Average	285	205	189	219	0.013	0.6
		Mean discharge (Cusecs)				
		Mean disch	arge (Cusecs)		Volume of	f flow for
Year (June to May)	1-10	Mean dische	rge (Cusecs)	Whole month	Volume of the mo	f flow for nth
(June to May)		11-20	21-31	month	M. A. F.	nth
(June to May) 1951-52	12	11-20	21-31	month 12	M. A. F.	nth T. M.C
1951-52	12 146	11-20	12 103	12 121	M. A. F. 0.001 0.007	nth T. M.C Nil 0.3
1951-52	12 146 183	13 118 164	12 103 163	12 121 170	0.001 0.007 0.010	Nil 0.3 0.5
(June to May) 1951-52	12 146	11-20	12 103	12 121	M. A. F. 0.001 0.007	Nil 0.3
1951-52	12 146 183 152 206	13 118 164 121 164	12 103 163 97 148	12 121 170 122 172 159	M. A. F. 0.001 0.007 0.010 0.008 0.011 0.010	Nil 0.3 0.5 0.3 0.5 0.4
1951-52	12 146 183 152 206	13 118 164 121 164 153 320	12 103 163 97 148	12 121 170 122 172 179 292	M. A. F. 0.001 0.007 0.010 0.008 0.011 0.010 0.018	Nil 0.3 0.5 0.3 0.5 0.4 0.8
1951-52	12 146 183 152 206	13 118 164 121 164 153 320 (155)	12 103 163 97 148 105 251 (123)	12 121 170 122 172 159 292 (151)	1. the mo M. A. F. 0.001 0.007 0.010 0.008 0.011 0.010 0.018 (0.009)	Nil 0.3 0.5 0.3 0.5 0.4 0.8 (0.4)
1951-52	12 146 183 152 206 217 314 (177) 262	13 118 164 121 164 153 320 (155) 261	12 103 163 97 148 105 251 (123) 148	12 121 170 122 172 179 292 (151) 221	0.001 0.007 0.010 0.008 0.011 0.010 0.018 (0.009) 0.014	Nil 0.3 0.5 0.3 0.5 0.4 0.8 (0.4) 0.6
1951-52	12 146 183 152 206 217 314 (177)	13 118 164 121 164 153 320 (155)	12 103 163 97 148 105 251 (123)	12 121 170 122 172 159 292 (151)	1. the mo M. A. F. 0.001 0.007 0.010 0.008 0.011 0.010 0.018 (0.009)	Nil 0.3 0.5 0.3 0.5 0.4 0.8 (0.4)

		Site	KOLCHI		Month FE		
Year [-		Mean dischar	rge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-28/29	W hole month	M, A, F.	T. M. C	
1951-52	15	15	15	15	0 001	Nil	
52-53	103	101	105	103	0.006	0.2	
53-54	178	165	313	205	0.011	0.5	
54-55	87	112	121	105	0.006	0.3	
55-56	130	120	106	119	0.007	0.3	
1956-57	79	69	69	72	0.004	0.2	
57-58	198	153	112	156	0.009	0.4	
58-59	(110)	(98)	(110)	(106)	(0.006)	(0.3)	
59-60	143	97	97	113	0.006	0.3	
60-61	56	50	-54	53	0.003	0.1	
10 Years' Average	110	98	110	105	0.006	0.3	
		Mean discha	urae (Cusecs)		M onth	MARCI	
		11-20 1 21-31			Volume	f floor for	
Year.	7 70	77.00		Whole	Volume of the mor	f flow for nth	
Year (June to May)	1-10	11-20		W hole month	Volume of the mode M. A. F.	f flow for ath T. M.	
(June to May)	12	14	10	mónth 12	M. A. F.	nth	
(June to May) 1951-52	12 111	14 97	10 97	mónth 12 101	the mod M. A. F. 0.001 0.006	T. M.	
(June to May) 1951-52	12 111 300	14 97 262	10 97 252	12 101 268	M. A. F. 0.001 0.006 0.016	nth T. M. Nil 0.3 0.7	
(June to May) 1951-52	12 111 300 177	14 97 262 114	10 97 252 76	month 12 101 268 121	M. A. F. 0.001 0.006 0.016 0.007	nth T. M. Nil 0.3	
(June to May) 1951-52	12 111 300	14 97 262	10 97 252	12 101 268	M. A. F. 0.001 0.006 0.016	nth T. M. Nil 0.3 0.7	
1951-52	12 111 300 177 94	14 97 262 114 74	10 97 252 76 55	mónth 12 101 268 121 73	M. A. F. 0.001 0.006 0.016 0.007 0.004	nth T. M. Nil 0.3 0.7 0.3 0.2	
1951-52	12 111 300 177 94 69 119	14 97 262 114 74 69 125	10 97 252 76 55 69 (130)	mónth 12 101 268 121 73 69 121	M. A. F. 0.001 0.006 0.016 0.007 0.004 0.004	Nil 0.3 0.7 0.3 0.2 0.2	
1951-52	12 111 300 177 94 69 119 (114)	14 97 262 114 74 69 125 (100)	10 97 252 76 55 69 (130) (94)	mónth 12 101 268 121 73 69 121 (102)	M. A. F. 0.001 0.006 0.016 0.007 0.004 0.004 0.007 (0.006)	Nil 0.3 0.7 0.3 0.2 0.2 0.3 (0.3)	
(June to May) 1951-52 52-53 53-54 54-55 55-56 1956-57 67-58 58-59 59-60	12 111 300 177 94 69 119 (114) 97	14 97 262 114 74 69 125 (100) 98	10 97 252 76 55 69 (130) (94) 98	mónth 12 101 268 121 73 69 121 (102) 97	0.001 0.006 0.016 0.007 0.004 0.007 (0.006) 0.006	Nil 0.3 0.7 0.3 0.2 0.2 0.3 (0.3) 0.3	
1951-52	12 111 300 177 94 69 119 (114)	14 97 262 114 74 69 125 (100)	10 97 252 76 55 69 (130) (94)	mónth 12 101 268 121 73 69 121 (102)	M. A. F. 0.001 0.006 0.016 0.007 0.004 0.004 0.007 (0.006)	Nil 0.3 0.7 0.3 0.2 0.2 0.3 (0.3)	

SERIAL No. 23

River MALAPRAB	НА	Site	KOLCHI		Mon	th APRIL
Year		Mean discha	irge (Cusecs)			of flow for
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C
1951-52	7	6	21	12	0.001	Nil
52-53	113	300	140	180	0.011	0.5
53-54	276	283	206	254	0.015	0.7
54-5 5	62	63	66	64	0.004	0.2
5 5-56	118	173	85	128	0.008	0.3
1956-57	74	74	77	75	0.004	0.2
57-58	132	137	(101)	123	0.007	0.3
58-59	(103)	286	128	172	0.010	0.4
59-60	99	- 99	-124	107	0.006	0.3
60-61	50	50	5 8	53	0.003	0.1
10 Years' Average	103	147	101	117	0.007	0.3
		Mean discha			Mon	
Year				Whole	Volume of the modern	f flow for hth
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1951-52	8	9	6	8	Nil	Nil
52-53	117	105	105	109	0.007	0.3
53-54	313	574	290	<i>395</i>	0.024	1.1
54-55	265	149	1,384	612	0.038	1.6
55-56	89	68	111	91	0.006	0.2
1956-57	152	56	126	105	0.006	0.3
57-58	(148)	(258)	(737)	(392)	(0.024)	(1.0)
58-59	(148)	104 589	373	214	0.013	0.6
59-60	149 92	668	156 4,084	293 1,694	0.018	0.8
60-61	U≜	000	+ ,00 +	1,001	0.104	4.5

258

148

10 Years' Average

737

392

1.0

0.024

River MALAPRABH	IA		RESANGAM		Mon	th JUNE
Year -		Mean dischar	rge (Cusecs)		Volume of the mor	
(June to May)	1-10	11-20	21-30	W hole month	M, A, F	T. M. C.
1952-53	2,585	1,453	3,740	2,593	0.154	6.7
53-54	(1,944)	2,073	8,922	4,313	0.257	11.2
54-55	1.475	1,810	3,731	2,650	0.158	6.9
55-56	2,386	2,616	2,378	2,463	0.147	6.4
1956-57	1,328	1,538	8,693	4,033	0.240	10.5
5 Years' Average	1,944	1,898	5,493	3,210	0.191	8.3
			LOSS.		Mo	nth JULY
		Mean discharge (Cusecs)			Volume o	f flow for
Year	\\\	(5-1131-2	Track I. S	Whole	the mo	nth
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1952-53	7,872	4,678	31,566	14,887	0.915	39.9
53-54	22,609	17,839	10,253	14,958	0.920	39.9 40.1
54-55	10,846	30,646	22,455	21,353	1.313	57.2
55-56	12,004	10,815	8,822	10,491	0.645	28.1
1956-57	23,924	19,759	18,194	20,547	1.263	55.0
5 Years' Average	15,451	16,747	18,258	16,447	1.011	44.1
					Month	AUGUST
		Mean discha	rge (Cusecs)			of flow for
Year (June to May)	1-10	11 20	21-31	Whole month	M.A.F.	$\frac{nonth}{\mid T. M. C.}$
1050 59	(23,041)	13,663	10 204	10.00%	0.000	40.4
1952-53	$\frac{(23,041)}{12,549}$	27,363	$12,364 \\ 15,124$	16.227 21,869	0.998 1.345	43.5
54-55	36,370	20,748	14,789	23,673	1.345 1.456	58.6 63.4
55-56	8,754	7,997	13,487	10,189	0.626	27.3
1956-57	35,890	12,597	8,155	14,370	0.884	38.5
57-58*	4,778	10,000	11,858	8,878	0.546	23.8
5 Years' Average	23,321	16,474	12,784	17,266	1.062	46.3

^{*} Not considered for calculating the average.

River MALAPRA	ВНА		IRESANGA		Month SEP	TEMBER
v.]	Mean dischar	ge (Cusees)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-30	Whole month	M.AF.	$\frac{onth}{T. M. C}$
1952-53	4,292 6,890 17,660 17,180	2,575 17,118 20,895 15,983	5,724 15,537 19,421 23,791	4,197 13,182 19,315 18,985	0.250 0.784 1.149 1.130	10.9 34.2 59.1 49.2
1956-57	6,616 4,464	9,376 7,327	8,941 2,568	8,311 4,945	0.495 0.294	21.5 12.8
5 Years' Average	10,528	13,189	14,683	12,798	0.762	33.2
		(milk)			Month (OCTOBER
77		Mean dischurge (Cusecs)			Volume of flow for	
$egin{array}{c} Year \ (June \ to \ May) \end{array}$	1-10	11-20	2 1- 31	Whole month	M. A. F.	$\frac{onth}{T.\ M.\ C}$
	}		335935	110016010	22. 21. 1	
1952-53	11,499 24,759 11,819 31,373	5,25 5 7,25 4 8,390 20,617	2,889 17;226 11,498 19,565	5,211 20,368 10,599 23,820	0.320 1.252 0.652 1.465	14.0 54.6 28.4 63.3
1956-57	16,630 7,617	27,256 4,094	6,065 14,792	16,3 09 9, 0 27	1.003 0.555	43.7 24.2
5 Years' Average	19,216	15,754	11,509	15,261	0.938	40.9
				·	Month NO	VEMBER
V	para de proprie de la constante de la constant	Mean disch	arye (Uusecs)		of flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1952-53	(5,114) 6,243 5,080 14,831	(6,132) 3,768 5,225 10,384 8,264	(1,046) 1,683 2,586 (5,000)	(4,097) 4,149 4,297 10,072	(0.244) 0.247 0.256 0.599	(10.6) 10.8 11.1 26 1
1956-57	20,573 $5,114$	6,1,32	4,622 1,046	11,153 4 ,097	0.664 0.244	28.9 10 6
5 Years' Average	10,368	6,755	2,987	6,754	0.402	17.5

^{*} Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 25

River	BHIMA	Site	CHASKAMAN

Year	Volume d	of flow
	A. F.	T. M. C.
1906	0.211	9.2
07	0.418	18.2
08	0.553	24.1
09	0.308	13.4
10	0.714	31.1
1911	0.489	21.3
12	0.861	37.5
13	1.157	50 .4
14	-0.712	31.0
15	0.383	16.7
1916	0.413	18.0
17	0.328	14.3
18	0.129	5.6
19	0.418	18.2
20	0.213	9.3
1921	0.296	12,9
1.1.22 to 30.4	22* Nil	Nil
1922-23	0.298	13.0
23-24	-0.289	12.6
24-25	0.344	15.0
25-26	0.278	12.1
20 Years' Average	0.441	19.2

^{*} Not considered for calculating the average.

NOTE:—The figures for the years 1906 to 1919 are the volumes of flow for seven months only (June to December). The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

	Mean discharge (Cusecs)			(Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole		the month	
(June to May)	1-10	11-20	21-31	w hole month	M. A. F.	T. M	

1949-50									
50-51	•	•			N-yea	1			
1951-52					l. Van de les				
52-53		•	٠						
53-54	•				2				
54-55	•,	•	•						
55-56		•		391	339	355	<i>361</i>	0.022	1.0
1956-57									
5 7- 58									
58-59				(343)	278	232	283	0.017	0.8
59-60	•	•		(343,	(288)	(262)	(297)	(0.018)	(0.8)
60-61	٠		•	295	246	198	245	0.015	0.7
4 Years'	Av	er s	ige	343	288	262	296	0.018	0.8

River BHIMA		Site	DHOND		Month J.	ANUARY
Year		Mean dis	charge (Cusec		Volume of the mo	
(June to May)	1-10	11-20	2 1 -31	Whole month	M. A. F.	T. M. C.

1949-50						
50-51		4-0m -	1			
1951-52*	60	104	78	80	0.005	0.2
52-53			17			
53-54		4				
54-55						
55-56	259	205	182	214	0.013	0.6
1956-57*	N.A.	390	300	34 3	0.021	0.9
57-58*						
58-59	194	158	127	159	0.010	0.4
59-60	246	193	106	179	0.011	0.5
60-61	176	171	97	1 4 6	0.009	0.4
4 Years' Average	219	182	128	174	0.011	0.5

^{*} Not considered for calculating the average.

River BHIMA		Site	DHOND		Month FI	EBRUARY	
Year		Mean dischar	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C.	
1949-50							
50-51*	47	81	63	64	0.003	0.2	
1951-52*	52	39	34	42	0.002	0.1	
52-53		\$ e-48					
53-54		200	A STATE OF THE STA				
54-55							
55-56	178	137	126	148	0.009	0.4	
1956-57							
57-58*	98	108	68	93	0.005	0.2	
58-59	92	79	45	76	0.004	0.2	
59-60	77	69	64	70	0.004	0.2	
60-61	61	51	65	59	0.003	0.1	
4 Years' Average	102	84	75	88	0.005	0.2	

^{*} Not considered for calculating the average.

River BHIMA		Site	DHOND		Month	MARCH
Year		Mean discha	rge (Cusecs)		Volume of the mo	f flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1949-50						
50-51*	59	50	25	44	0.003	0.1
1951-52		i.	34 24			
52-58		5.4				
53-54		13				
54-55			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
\$ 5-56	110	94	64 14 - 14 - 1	88	0.005	6.2
1956-57						
57-58						
58-59	32	30	20	27	0.002	0.1
59-60	64	45	42	5 0	0.003	0.1
60-61	42	28	12	27	0.002	0.1
4 Years' Average	62	49	34	48	0.003	0.1

^{*} Not considered for calculating the average.

River BHIMA		Site	DHOND		Mont	h APRIL
Year	-	Mean dischar	ge (Cusecs)		Volume of the mo	f flow for nth
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.
1949-50*	57	35	17	36	0.002	0.1
50-51*	18	27	23	23	0.001	0.1
1951-52		e i e				
52- 53		\$ d				
53-54		10				
54-55*	30	5	Nil	12	0.001	Nil
55-56 ,	84	239	व नयने विजयने	145	0.009	0.4
1956-57						
57-58						
58-59	10	6	9	8	Nil	Nil
59-60	40	19	29	30	0.002	0.1
60-61	6	28	13	16	0.001	Nil
4 Years' Average	35	73	40	50	0.003	0.1

^{*} Not considered for calculating the average.

River BHIMA		Site		Month MAY		
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1949-50*	11	9	N,A.	10	0.001	Nil
50-51*	7	4	3	4	Nil	,,
1951-52						
52-53						
53-54		1111	4.1			
54 -5 5*	Nil	Nil	Nil	Nil	NiI	Nil
55-56	218	147 विद्यापन	(100) ਜਪੂਰ	153	0.009	0.4
1956-57						
57-58						
58-59	26	84	96	71	0.004	0.2
59-60	16	9	(Nil)	8	Nil	Nil
60-61	18	62	Nil	26	0.002	0.1
4 Years' Average	70	76	49	64	0.004	0.2

^{*} Not considered for calculating the average.

		N 19 101 111	1.0. 27				
River BHIMA		Mont	h JUNE				
Year	1	Iean discharg		Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
19 57- 58	12,210	12,210	3,614	12,678	0.754	32.9	
		4000	N. 2.			h. JULY	
Year (June to May)	Mean discharge (Cusecs) Whole				Volume of flow for the month		
	1-10	11-20	21-31	month -	M. A. F.	T.M.C.	
1957-5 8	36,784 32,357	53,393 114 260	61,299 119,874	51,308 89,832		137.4 240.6	
					Month	AUGUST	
Year		Mean dischar	ge (Cusecs)	****	Volume of the m	f flow for	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	$\int T. M. C$	
1957-58	61,949	102,412	94,099	86,41	0 5.313	231.4	
58-59	44,891	62,564	111,163	74,10		198.5	
59-60							

River BHIMA		Month SEP	TEMBER			
Year		Mean disch	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1957-58	32,370	84,150	33,608	50,043	2.978	129.7
58-59 59-60 60-61	114,583	61,068	39,944	71,865	4.276	186.3
		A			Month O	CTOBER
Year		Mean disch	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1957-58	25,533	17,102	88,495	45,155	2.776	120.9
58-59 · · · · 59-60	34,195	44,558	20,844	32,800	2.017	87.9
60-61		ন্ত	पेव नयन		Month NO	VEMBER
)	· <u></u>	Mean discl	arge (Cusecs))	Volume o	
Year (June to May)	1 10	11-20	21-30	Whole	the m	onth
(June to may)	1-10	11-20	21-30	month	M. A. F.	T. M. C
	3 1,810	21,120	18,543	23,824	1.418	61.8
1957-58	01,010			-		~ 4.4

		1,121612				
River BHIMA		Site	Month DECEMBER			
Year		Mean dische	Volume of flow for			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T, M. C
1957-58	15,683 12,210	13,599 12,210	12,210 12,210	13,778 12,210	0.847 0.751	36.9 32.7
		Mean dischar	oe (Cusecs)		Month]	JANUARY
Year	1 10	SH HE	21-31 Whole		the month	
$(June\ to\ May)$	1-10	11-20	21- 31	month	M. A. F.	T. M. C
1957-58 58-59 59-60 60-61	12,210 10,656	12,210 9,620	12,210 9,620	12,210 9,954	0.751 0.612	32.7 26.7
					Month FE	BRUARY
		Mean discha	rge (Cusecs)		Volume of	flow for
$egin{array}{c} Year \ (June\ to\ May) \end{array}$	1-10	11.20	21-28 29	$Whole \\ month$	M. A. F.	T. M. C.
1957-58	12,210	12,210	12,210	12,210	0.678	29.5
58-59	9,620	9,620	7,354	8,972	0.498	21.7

River BHIMA		Site YA	Month	MARCH		
Year		Mean discha	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1957-58	12,210	12,210	12,210	12,210	0.751	32.7
58-59 59-60 60-61	7,030	7,030	7,030	7,030	0.432	18.8
		€ CAS			Mont	APRIL
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1957-58 58-59 59-60	8,066	9,620	7,030	8,239	0.490	21.4
60-61		वस्त्रम्	व जयने		.M on	ath MAY
Year	1	Mean arscha	rge (Cusecs)		Volume of the mo	f flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1957-58 58-59 59-60 60-61	7,030	7,030	10,171	8,145	0.501	21.8

River BHAMA (BH	IIMA)	Site	WAKI		Mon	th JUNE	
Year		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11,20	21-30	Whole month	M, A, F.	T. M. C.	
1949-50	5	2	10	5	Nil	Nil	
50-51	3	Nil	Nil	1	,,	"	
1951-52	17	22	377	139	0.008	0.4	
53.54	Nii	140	1,142	427	0.025	1.1	
54-55	1	1	174	59	9.004	0.2	
55-56	Nil	Nil	66	22	0.001	0.1	
1956-57	20	Nil	189	70	0.004	0.2	
57-58	12	3.	973	329	0.020	0.9	
58-59	2	441	76	173	0.010	0.4	
59-60*	4	4	200	69	0.004	0.2	
9 Years' Average	7	68	334	136	0.008	0.4	
177		14			Mo		
Year		in dischar	ge (Cusecs)	1 777	volume the m	of flow for onth	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M.	
1949-50	16	509	161	226	0.014	0.6	
50-51	Nil	1,697	2,578	1,462	0 090	3.9	
1951-52 · · · · 52-53 · · · ·	40	61	1,196	457	0.028	1.2	
53-54	1,185	829	220	792	0.049	2 1	
5 4-5 5	966	3,444	652	1,654	0.102	4.4	
	712	558	606	625	0.038	1.7	
5 5- 56					0.484	6.7	
1956-57	3,124	2,393	2,029	2,500	0.154		
1956-57 57-58	812	2,262	722	1,248	0.077	3.3	
1956-57	812 1,291	2,262 8,014	722 1,449	1,248 3,516	0.077 0.216	3.3 9.4	
1956-57 57-58	812	2,262	722	1,248	0.077	3.3	

^{*}Not considered for calculating the average.

River BHAMA (BH	IIMA)	Site	WAKI		Month	AUGUST
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
194 9- 50	700	239	40	317	0.019	0.8
50-51	444	151	43	207	0.013	0.6
1951-52 52-53	3,028	910	444	1.428	0.088	3.8
53-54	2,021	2,436	1,045	1,809	0.111	4.8
54-55	1,843	954	362	1.031	0.063	2.8
55-56	1,271	1,647	1,454	1.457	0.090	3.9
1956-57	9,152	1,483	1,073	3.811	0.234	10.2
57-58	692	434	864	670	0.041	1.8
58-59 59-60	968	946	2,039	1,341	0.082	3.6
9 Years' Average	2,235	1.022	817	1.341	0.082	36
			PA S		Month SEP	TEMBER
Year		Mean dischar	rge (Ousecs)		Volume of the n	f flow for nonth
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	1 T. M.
1949-50	119	82	444	215	0.013	0.6
50-51	389	91	52	177	0.011	0.5
1951-52	208	175	61	14 8	0.009	0.4
52-53						Λ.
	397	265	69	244	0.015	0.6
52-53	$\frac{397}{2,988}$	$\substack{265 \\ 2,052}$	8 32	1,957	0.116	5.1
52-53 53-54						
52-53 53-54	2,988	2,052 416 453	832 912 1,629	1,957	0.116 0.083 0.065	5.1
52-53 53-54 54-55	2,988 2,846	2,052 416	832 912 1,629 129	1,957 1,392 1,090 317	0.116 0.083 0.065 0.019	5.1 3.6 2.8 0.8
52-53	2,988 2,846 1,189	2,052 416 453	832 912 1,629	1,957 1,392 1,090	0.116 0.083 0.065	5.1 3.6 2.8

River BHAMA (B)	nuva)	Site	WAKI		Month O	CTOBER
Year		Mean dischar		Volume of flow for		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. O
1949-50	62	48	41	50	0.003	0.1
50-51	237	54	32	126	0.008	0.3
1951-52 52-53	286	316	373	326	0.020	0.9
53-54	308	263	85	214	0.013	0.6
54-55 ,	1 095	240	140	480	0:030	1.3
5 5-56	745	635	65 8	679	0.042	1.8
195 6- 57	2,336	879	137	1,086	0.067	2.9
57-58	68	18	11	31	0.002	0.1
58-59	230	266	35	172	0.011	0.5
59-60						
9 Years' Average	596	302	168	352	0.022	0.9
					Month NO	VEMBER
Year		Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole	J	
		1		month	M. A. F	T. M. C
1040 50	95	13	10		!	
1949-50 50-51	25 19	13 15	10 11	month 16 15	0.001 0.001	Nil
5 0-51	19	15	11	16 15	0.001 0.001	Nil
5 0-51 1951-52				16	0.001	Nil
50-51	19 25	15 22	11 105	16 15 51	0.001 0.001 0.003	Nil ,, 0.1
50-51	19 25 41	15 22 20	11 105 11	16 15 51	0.001 0.001 0.003 0.001	Nil ,, 0.1
50-51	19 25	15 22	11 105	16 15 51	0.001 0.001 0.003	Nil ,, 0.1
50-51	19 25 41 48 100	15 22 20 22	11 105 11 16	16 15 51 24 29	0.001 0.001 0.003 0.001 0.002 0.004	Nil ,, 0.1 0.1 0.1 0.2
50-51	19 25 41 48	15 22 20 22 58	11 105 11 16 34	16 15 51 24 29 64	0.001 0.001 0.003 0.001 0.002	Nil ,, 0.1 0.1
50-51	19 25 41 48 100 1,444	15 22 20 22 58 102	11 105 11 16 34 673	16 15 51 24 29 64 740	0.001 0.001 0.003 0.001 0.002 0.004	Nil ,, 0.1 0.1 0.1 0.2
50-51	19 25 41 48 100 1,444 11	15 22 20 22 58 102 9	11 105 11 16 34 673 8	16 15 51 24 29 64 740 9	0.001 0.001 0.003 0.001 0.002 0.004 0.044 0.001	Nil ,, 0.1 0.1 0.1 0.2 1 9 Nil

SERIAL No. 28

River BHAMA (BH	IIMA)	Site	WAKI		Month DE	CEMBER
Year		Mean discha	rge (Cusecs)		Vo ume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1949-50 50-51	5 7	4 7	2 5	4 6	Nil .,	Nil
1951-52 . , . 52-53	20	16	14	17	0.001	Nil
53-54	(9) 13 19	(7) 10 15	(4) 8 12	(7) 10 15	(Nil) 0.001 0.001	(Nil) Nil
1956-57	99 6 73	57 4 21	30 4 8	61 6 33	0.004 Nil 0.002	0.2 Nil 0.1
9 Years' Average	28	- <u>-</u> -	10	18	0.001	Nil
					Month	JANUARY
Year		1	arge (Cusecs)	7777 7	Volume of flow for the mont	
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C
1949-50	2 5	2 2	1	1 3	Nil ,,	Nil
1951-52	13 5	10 5	7 4	10 5	0.001 Nil	Nil

7

19

3

6

7

53-54

54-55

55-56

1956-57

57-58

58-59.

59-60

19 Years' Average

1

5

4

12

3

5

4

1

15

3

5

5

0 001

Nil

,,

Nil

1

5

5

15

3

6

5

,,

,,

Nil

,,

Nil

^{*} Not considered for calculating the average.

River BHAMA (BI	HIMA)	Site	WAKI		Month FE	BRUARY	
Year -		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T.M.C.	
1949-50 50-51	1	1 1	1 1	1 1	Nil ,,	Nil "	
1951-52	3 3 1	3 2 1	2 2 Nil	3 2 1	Nil ''	Nil "	
54-55 55-56	4 3	3 3	$\frac{2}{2}$	3 3	"	32 33	
1956-57	9 2 2	5 2 1	1	6 1 1	Nil ,,	Mil	
9 Years' Average	3	2	$\frac{7}{2}$	- - 2	Nil	Nil	
					Month	MARCH	
Year		Mean discharge (Gusecs)			Volume of the m	f flow for nonth	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1949-50 50-51	1	1	l Nil	1 1	Nil ,,	Nil	
1951-52	2 2 (Nil) 2 2	2 1 (Nil) 1 2	2 1 (Nil) 1 2	2 (Nil) 1 2	Nil (Nil) Nil	Nil (Nil) Nil	
1956-57 57-58 58-59 59-60	N il 1	Nil	4 Nil ,,	Nil	Nil ,,	Nil	
Years' Average	1	1	1	1	Nil	Nil	

Not considered for calculating the average.

River BHAMA (BH	IIMA)	Si	e WAKI		Mon	th APRIL	
Year -		Mean discharge (Cusecs)			Volume of	Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
194 9- 50	l Nil	l Nil	1 Nil	Nil	Nil ,,	Nil ,,	
1951-52	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
52-53*	1	Nil	Nil	Nil	Nil	Nil	
53-54	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
54-55	1	1	Nil	1	Nil	Nil	
55-56	i	1	**	1	73	(444	
1956-57	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
57-58	Nil	Nil	Nil	Nil	Nil	Nil	
58-59		(Z.)		99.	;,		
59-60	94	11:11:12		,,,	,,	>>	
9 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil	
			1915		Мо	nth MAY	
Year -		Mean discha	rge (Cusecs)	7	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.	
1949-50	Nil	Nil	2	1	Nil	Nil	
50-51	33	"	39	14	0.001		
1951-52	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
	Nil	Nil	Nil	$\mathbf{N}ii$	Nil	Nii	
だり、たり事			3	3			
52-53*		5					
53-54	,, 2	_	Nil	1	,,		
	" Nil	1 Nil		39	0.002	0.1	
53-54 54-55	Nil	Nil	Nil 109		0.002 (Nil)		
53-54	2 Nil (Nil)	1 Nil (Nil)	Nil	39	(Nil) 0.001	(Nii)	
53-54	2 Nil (Nil) Nil	Nil (Nil) Nil	Nil 109 (Nil)	39 Nil	(Nil)	(NII) NII	
53-54	2 Nil (Nil)	1 Nil (Nil)	Nil 109 (Nil) 30	39 Nil 10	(Nil) 0.001	(Nii)	

[•] Not considered for calculating the average.

SERIAL No. 29

River KUDIL NALLA (BHIMA) Site WADIVALE

Month JUNE

		Mean dischu	rge (Cusecs)	Volume of flow for		
Year (June to May)	110	11-20	21.30	Whole month	M. A. F.	T. M. C.

					43				
1949-50				7	7	7	7	Nil	Nil
50-51	•	,	•	.1	1	3	1	2)	**
1951-52		•		2	22	128	51	0.003	0.1
52 -53			٠	26.	13	391	143	0.009	0.4
53-54				Nil	106	2,075	727	0.043	1.9
54-55		••			2	100	33	0.002	0.1
55-56	•								
1956-57									
57-58				1	1	413	138	0.008	0.4
58-59				1	Nil	118	40	0.002	0.1
59-60				$\hat{2}$	2	45	16	0.001	Nil
60-61		•	•	State Sales Sa			Alexandra Limited States of the States of th	× × × × × × × × × × × × × × × × × × ×	
9 Years'	A	vei	age	4	17	364	128	800.0	0.3

River KUDIL NA	LLA (BHIMA	A) Site W	ADIVALE		Month JULY
77		Mean discha	rge (Cusecs)		Volume of flow for
Year (June to May)	1-10	11-20	21-31	W hole month	$\begin{array}{ c c c c }\hline & the \ month \\\hline \hline M.\ A.\ F. & T.\ M.\ C. \\\hline \end{array}$

9 Years	' A	ve	rage	720	1,724	2,056	1,634	0.101	4.4
60-61	٠	•	•						
59- 60	•	•	•	1,099	1,178	1,806	1,376	0.085	3.7
58-59	•		•	(200)	(300)	(400)	(303)	(0.019)	(0.8)
57-5 8	•	•	•	511	1,722	535	910	0.056	2.4
1956-57	•		•						
55-56	•	•	•						
54-55	•	•	•	2,068	2,051	359	1,456	0.090	3.9
53-54	•		•	1,684	424	67	704	0.043	1.9
52-53	•	•	•	94	1,028	7,565	3,046	0.187	8.2
1951-52	•			88	526	2,041	922	0.057	2.5
50-51	•	•	•	480	6,622	4,965	5,094	0.313	13.6
1949-50	•	٠	•	256	1,668	7 66	892	0.055	2.4

River KUDIL NA	LLA (BHIM	A) A	Site WADIV	ALE	Month	AUGUST
Year		Mean discha		Whole	Volume of the m	
(June to May)	1-10	11-20	21-31	month	M.A.F.	T. M. C.

9 Years'	A۱	ær	a <u>l</u> .	2,547	1,028	571	1,356	0.083	3.6
,j0-6 1	•	•	٠						
59-60	•			1,054	465	1,739	1,107	9.068	3.0
58-59				547	617	1,037	743	0.046	2.0
57-58			,	2,114	1,329	473	1,278	0.079	3.4
1956-57									
55-56		•	•						
54-55				2,697	412	119	1,045	0.064	2.8
53-54				3,179	3,041	522	2,192	0.135	5.9
52-53			,	7,253	1,919	830	3,253	0.200	8.7
1951-52				3,739	434	-17 24 5	1,433	0.088	3.8
50-51	•	•	•	824	452	39	426	0.026	1.1
1949-50	•	•	٠	1,521	580	129	724	0.045	1.9

SERFAL No 29

KUDIL NA	LLA (BHIMA)	Sit	WADIVA	LE	Month	SEPTEMBER
Year (June to May)	1-10	Mean discha	21-30	Whole month	Wol	ume of flow for the month 1. F. T. M. C

Years*	À۲	er	age	779	364	286	477	0.028	1.2
50-61	•	•	•	and the same and t					-
5 9-60		•		(1,400)	(1,100)	(800)	(1,100)	(0.065)	(2.9)
58-59	٠		•	633	863	173	<i>557</i>	0.033	1.4
57-58				81	73	16	57	0.003	0.1
1956-57	•.		•						
55-56	•	,	•						
54- 55				2,408	738	507	1,217	0.072	3.2
53-54		.		206	94	20	107	0.006	0.3
52-53	•			186	44	13	81	0.005	0.2
1951-52	•	page 2		42	43	25	37	0,002	0.1
50-51	•	٠	•	1,711	114	407	744	0.044	1.9
1949-50	٠		•	342	207	617	<i>389</i>	0.023	1.0

River KUDIL NA	LLA (BHIMA	A) Site W	ADIVALE		Month	OCTOBER
Year	1	Mean dische	irge (Cusecs)	T177 7		of flow for month
(June to May)	1-10	11-20	21-31	Whole month	M. A. F	. T. M. C

9 Years'	Av	era	age	145	39	25	69	0.004	0.2
60 61	•	•	•	**************************************					
59-60				(500)	235	160	294	0.018	0.8
58-5 9				31	9	5	15	0.001	,,
57-58			٠	8	5	5	6	Nil	Nil
1956-57		٠							
55-56	•		•						
54-55	*			88	10	5	33	0.002	0.1
53-54				10	24	4	13	0.001	"
52-53	٠	•	•	3	9	5	9	0.001	,, '
1951-52				.6	10.	-17.12	10	0.001	Nil
50-51	•	•	•	575	30	14	200	0.012	0.5
1949-50	•	٠	•	85	19	11	37	0.002	0.1

River KUDIL NA	LLA (BHIMA) Site W	ADIVALE		Month NO	VEMBER	
Year		Mean discha	rge (Cusecs)	Whole	Volume of flow for the month		
(June to May)	1-10	11-20	21-30	mon h	M. A. F.	T. M. C.	

		age	6		3			
٠	٠	٠						•
	•	•	(6)	(4)	(3)	(4)		٠, ر
•	•		(6)	(4)	(3)	(4)	(Nil)	(Nil)
•	•	•	3	3	3	3	Nil	Nil
•	•							
•			3	3	3	3	**	**
٠	•	•	3	3	3	3	,,	**
•	•	•	6	वस्त्रपंत्र	5 14 5	5	79	**
•	•		8	3	4	5	Nil	Nil
٠	•	•	11	5	3	в	11	,,
٠	٠		6	3	3	4	Nil	Nil
					8 3 6 5 3 3 3 3 3 3 3 3 3 3 6 (4)	8 3 4 6 5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 66 (4) (3)	11 5 3 6 8 3 4 5 6 5 5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 6 (4) (3) (4)	

River KUDIL NAL	LA (BHIMA	.) &	Site WADIVA	LE	Month DE	CEMBER
Year		Mean discha	rge (Cusecs)		Volume of the m	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C

9 Years	Α	vez	age	3	2	2	2	Nil	Nil
60-61	•	•	•						(1411)
59-60				(3)	(2)	(2)	(2)	(Nil)	(Nil)
58-59				5	4	(2)	4	27	,,
57-58		•	•	2	2	2	2	Nil	NiI
1956-57									
55-56	•	••	•						
54-55		٠,	•	2	$rac{2}{2}$	2	2	,,	,,
53-54	•	•	•	2	2	2	2	,,	,,
52-53	•	٠.	•	3	3	3	3	**	,,
1951-52	•		•	4	2	2	2	Nil	Nil
50-51	•	•	•	3	2	2	2	**	,,
1949-50	٠	•	•	3	2	2	2	Nil	Nil

River KUDIL NAI	LA (BHIMA)) &	lite WADIV	ALE	Month JANUARY
Year	<u>M</u>	ean discharge	e(Cusecs)	Whole	Volume of flow for the month
(June to May)	1-10	11-20	21-31	month	M. A. F. T. M. C.

55-56	Nil (Nil
55-56	Nil (Nil
55-56 1956-57 57-58	Nil
55-56	Nil
55-56	
	•••
	• •
54-55 2 2 2 2 ,,	,,
$53-54 \dots 1 $,,
52-53	,,
1951-52 2 2 2 Nil	Nil
50-51 2 2 2 2 ,,	**
1949-50 (2) (2) 1 2 Nil 50-51 2 2 2 2 2	Nil

River KUDIL NA	LLA (BHIMA	A) Site	WADIVALE		Month	FEBRUARY
Year		Mean discharge (Cusecs) Volume of flow the month				
(June to May)	1-10	11-20	21-28/29	Whole month		T. M. C.

					Nil	Nil
60-61	•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		anner soner didirip
5 .)- 6 0 · ·	, (1)	(1)	(1)	(1)	(Nil)	(Nil)
58-59	. 1	1	1	1	**	**
57-58	. 1	ı	1	1	Nil	Nil
1956-57						
55-56	•					
5 4- 55 · ·	. 1	1	1	1	,,	,,
53-54	. 1	वासम	नेयन 1	1	,,	**
52 - 53 · ·	. 2	2	2	2	**	,,
1951-52	. 2	2	2	2	Nil	Nil
50-51	. 2	2	2	2	"	**
1949-50	. 1	\5.1	1	1	Nil	Nil

River KUDIL NA	LLA (BHIMA)	Site	WADIVALE	E	Month MARCH	
Year		Iean discha	rge (Cusecs)	Whole	Volume of flow for the manth	
(June to May)	1-10	11-20	21-31	month	M.AF T.M.C.	

9 Years'	Av	era	ge	1	1	1	1	Nil	Nil
60-61			•						
59-6 0	•	•		(1)	(1)	(1)	(1)	(NiI)	(Nil)
58-5 9				1	1	1	1	**	,,
57-58	_•	•		1	1	1	1	Nil	Nil
1956-57									
55-56	• ,	٠	•						
54-55		•		1	1	3	2	,,	**
53-54	•	٠	٠	1	1	Nil	1	,,	13
52-53	٠		•	2	2	1	2	>9	,,
1951-52		•		1			1	Nil	Nil
50-51	•	٠	•	2	2	2	2	**	**
1949-50				1	î	1	Į	Nil	Nil
					z_tm i.	200			

River KUDIL NAI	LA (BHIMA	1)	Site WAD	IVALE	Month	APRIL
Year		Mean discha	rge (Cusecs)	1 777 7	Volume of the mor	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.

		2- ⁵⁻⁰ 1.	7			
1949-50	1	1	T.,	1	Nil	Nil
50-51	2	2	2	2	"	,,
1951-52	1	1/	1	1	Nil	Nil
52-53	1	15		1	,,(. 17
53-54	Nil	Nil	Nil	Nil	,,	,,
54-55	(1)	(1)	निय(1)	(1)	(Nil)	(Nil)
55-56						
1956-57*	2	1	1	1	Nil	Nil
57-58	1	Nil	Nil	Nil	,,	,,
58.59	1	1	1	1	**	21
59-60	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61						
9 Years' Average	1	1	1	1	Nil	Nil

^{*} Not considered for calculating the average.

River KUDIL NA	LLA (BHIMA	L) Site	WADIVALF		Month MAY		
Year		Mean discha	rge (Cusecs)	3771	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F. T. M. C.		

				i.				
1949-50 .			1	1	1	1	Nil	Nil
50-51 .	•	•	2	1	4	2	"	77
1951-52 .	•		1	Nil	1	1	Nil	Nit
52-53 .			1	lights.	1	1	,,	,,
53-54 .			Nil	Nilaria	Fur Nil	Nil	"	,,
54-55 .			(1)	(1)	(1)	(1)	(Nil)	(Nil)
55 -5 6 .								
1956-57* .			1	1	1	1	Nil	Nil
57-5 8 .			1	Nil	1	1	, i,	,,
58 -5 9 .	•		ı	1	1	1	• •	"
59-60 .	•	•	(1)	(1)	(1)	(1)	(Nil)	(Nil)
60-61 .	•	•						•
9 Years' A	ver	age	1	1	1	1	Nil	Nil

^{*} Not considered for calculating the average.

River VEL BHIMA)	Site SH		Month JUN			
Year -		Mean dischar	ge (Cusecs)		Volume of the mo	f flow for	
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M. C.	
1949-50	1	Nil	3	2	Nil	Nil	
50-51	10	,,	Nil	3	,,	**	
1951-52	87	14	47	49	0.003	0.1	
52-53	109	9	1	40	0.002	0.1	
53-54	Nil	2	158	53	0.003	0.1	
54-55	8	12	25	15	0.001	Nil	
55-56*	N.A.	N.A.	N.A.				
1956-57	Nil	Nil	13	4	Nil	Nil	
57-58	4	7	416	143	0.009	0.4	
5 8-59	1	12	4	5	Nil	Nil	
59-60	Nil	15	47	21	ò.001	0.1	
60-61 . , .	10	4	10	8	Nil	Nil	
11 Years' Average	21	.7	66	31	0.002	0.1	

^{*} Not considered for calculating the average.

River VEL (BHIMA	A)	Site SH	UKRAPUR		Mon	eth JULY
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1949-50	Nil	I	Nil	Nil	Nil	NiI
50-51	8	64	335	142	0.009	0.4
		خب ا ا .				
1951-52	26	60	38	41	0.003	0.1
52- 53	Nil	3	39	15	0.001	Nil
53-54	7	1/1	Nil	3	Nil	,,
54-55	7	38	47	31	0.002	0.1
55-56*	N.A.	N.A.	N.A.			
1956-57	134	190	11	146	0.009	0.4
57-58	5 7	69	60	62	0.004	0.2
58-59	2	1,301	219	498	0.031	1.3
59- 60	23	31	63 9	244	0.015	0.7
60-61 . , .	93	26	4.2	53	0.003	0.1
11 Years' Average	32	162	140	112	0.007	0.3

^{*} Not considered for calculating the average.

River VEL (BHIM	A)	Site S	HIKRAPUR		Month	AUGUST	
Year (June to May)		Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
1949-50	3.	7	15	8	Nil	Nil	
50-51	128	54	92	91). 006	0.2	
1951-52	51	48	15	37	0.002	0.1	
52-53	147	51	35	76	0.005	0.2	
53-54	7	41	19	23	0.001	0.1	
54-55	40	33	17	30	0.002	0.1	
55-56*	N.A.	N.A.	N.A. 1 नयन				
1956-57	1,547	184	111	598	0.037	1.6	
57-58	86	73	53	70	0.004	0.2	
58-59	53	110	129	98	0.006	0.3	
59 -60	240	76	59	123	800.0	0.3	
60-61	61	45	32	45	0 003	0.1	
11 Years' Average	215	66	52	109	0.007	0.3	

^{*} Not considered for calculating the average.

River VEL (BHIMA	7)	Site SHI	KRAPUR		Month SEP	TEMBER	
Year -		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
7070 80	o o	11	neo.	101	0.000	•	
1949-50	22	11	360	131	0.008	0.3	
50-51	56	72	1,414	514	0.031	1.3	
		53	1 5				
1951-52	6	7	33	15	0.001	Nil	
52-53	12	4	50	22	0.001	0.1	
53-54	6	19	15	14	0.001	Ńil	
54-55	106	69	49	74	0.004	0.2	
55-56*	N.A.	N.A.	N.A.				
19 56- 57	161	110	263	178	0.011	0.5	
57-58	33	46	36	38	0.002	0.1	
58-59	126	94	77	99	0.006	0.3	
59-60	86	63	292	147	0.009	0.4	
60-61	32	37	448	172	0.010	0.4	
11 Years' Average	59	48	276	128	0.008	0.3	

^{*} Not considered for calculating the average.

River VEL (BHIM	A)			Month C	CTOBER	
Year		Mean dische	Volume of the me	of flow for		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F	T. M. C
1949-50	127	212	41	124	0.008	0.3
50-51 ,	296	309	51	214	0.013	0.6
1951-52	181	-63		98	0.006	0.3
52-53	70	16	9	31	0.002	0.1
53-54	23	10	2	12	0.001	Nil
54-55	39	21	12	24	0.001	0 1
55-56*	N.A.	N.A.	N.A.			
1956-57	2,876	222	127	1,045	0.064	2.8
57-58	42	26	22	30	0.002	0.1
58-59	53	43	24	39	0.002	0.1
59-6 0 .	66	62	56	61	0.004	0.2
60-61	100	324	111	176	0.011	0.5
11 Years' Average	352	119	46	169	0.010	0.5

^{*} Not considered for calculating the average.

River VEL (BHIM	(A)	Site SH	IKRAPUR		Month NOV	EMBER
Year		Mean discharge (Cusecs)				f flow for
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1949-50	21	17	12	17	0.001	Nil
50-51	27	19	8	18	0.001	**
1951-52	22	11	143	58	0.003	0.2
52-53	1	Nil	Nil	Nil	Nil	Nil
53-54	Nil		1	,,	**	,,
54-55	2	1		1	"	,,
55-56*	N.A.	N.A.	N.A.			
1956-57	245	133	828	402	0.024	1.0
57-5 8	12	15	9	12	0.001	Nil
58-59	11	6	220	79	0.005	0.2
59-60	44	650	42	245	0.015	0.6
60-61	92	83	66	80	0.005	0.2
11 Years' Average	43	85	121	83	0.005	0.2

^{*} Not considered for calculating the average.

River VEL (BHIMA)		Site SH		Month DECEMBER			
Year (June to May)	М	Mean discharge (Cusecs)			Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
						-	
1949-50	6	4	2	4	Nil	Nil	
50-51	6	7 	6	6	,,	,,	
1951-52 ,	13	8	4	8	Nil	Nil	
52-53	Nil	Nil	Nil	Nil	**	**	
53-54	,,		"	,,	**	,,	
54-55	,,		, (<u>.</u>	**	**	,,	
55-56*	N.A.	N.A.	N.A.				
1956-57	85	61	33	59	0 004	0.2	
57-58	3	1	1	2	Nil	Nil	
58-59	30	8	2	13	0.001	>>	
59-60	17	7	3	g	0.001	,,,	
60-61	25	13	14	17	0.001	**	
11 Years' Average	17	10	6	11	0.001	Nil	

^{*} Not considered for calculating the average.

River VEL (BHIMA	A)	Site S	HIKRAPUR		Month	ANUARY	
Year		Mean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	$\mid T. M. C.$	
1949-50	1	1	1	1	Nil	Nil	
50-51	5	3	1	3	**	"	
		ANT					
1951-52	2	(i		1	Nil	Nil	
52-53	(5)	(3)	(3)	(3)	(Nil)	(Nil)	
53-54	Niļ	Nil	Nil	Nil	Nil	Nil	
54-55	(5)	(3)	(3)	(3)	(Nil)	(Nil)	
55-56*	N.A.	N.A.	N.A.				
1956-57	17	12	10	13	0.001	Nil	
5 7- 58	1	1	2	1	Nil	,,	
58- 59	1	1	ì	1	,,	. 33	
59-60	3	3	2	2	,,	,,	
60-61	11	6	6	8	7 7	,,	
11 Years' Average	5	3	3	3	Nil	Nil	

^{*} Not considered for calculating the average.

River VEL (BHIMA)		Si'e SH		Month FEBRUARY		
Year	Mean discharge (Cusecs)				Volume of the mo	f flow for onth
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C
1949-50	Nil	Nil	Nil	Nil	Nil	Nil
5 0-51	1	"	; ;	,,	3 7	,,
1951-52	1	Nil	Nil	Nil	Nil	Nil
52-53	(2)	(1)	(1)	(1)	(Nil)	(Nil)
53-54	Nil	Nil	Nil	Nil	Nil	Nil
54-55	(2)	(1)	(1)	(1)	(Nil)	(Nil)
55-5 6*	N.A.	N.A.	N.A.			
1956-57	7	5	4	в	Nil	Nil
57-58	1	1	1	1	,,	**
58-59	1	1	1	1	,,	,,
59-60	2	1	Nil	1	,,	,,
60-61	4	3	2	3	,,	,,
11 Years' Average	2	1	1	1	Nil	Nil

^{*} Not considered for calculating the average.

River VEL (BHIMA	.)	Site SHI	KRAPUR		Month	MARCH	
Year	1	Mean discharg	e (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1949-50	Nil	Nil	Nil	Nil	Nil	Nil	
50-51	,,	,,	,,	,,	,,	,,	
1951-52	Nil	Nil	Nil	Nil	Nil	Nil	
52-53	(1)	(Nil)	(Ni l)	(Nil)	(Nil)	(Nil)	
53-54	Nil	Nil	Nil	Nil	Nil	Nil	
54-55	(1)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
55-56*	N,A.	N.A.	N.A.				
1956-57	4	2	2	- 3	Nil	Nil	
57-58	Nil	Nil	Nil	Nil	**	,,	
58-59	,,	,,	,,	,,	19	**	
59-6 0 ,	,,	**	11	,,	,,	,,	
60-61	1	1	1	1	**	,,	
11 Years' Average	1	Nil	Nil	Nil	Nil	Nil	

^{*} Not considered for calculating the average.

River VEL (BHIMA)	1	Site SH	Month APRII			
Year -	<u>N</u>	Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1949-50	Nil	Nil	Nil	Nil	Nil	Nil
50-51	"	;;	,,	,,	,,	"
1951-52	Nil	Nil	Nil	Nil	Nil	Nil
52-53	5	,,	1	2	3 5.	,,
53-54	Nil	,	Nil	Nil	"	,,
54-55	(1)	(1)	(1)	(1)	(Nil)	(Nil)
55- 56*	N.A.	N.A.	N.A.			
1956-57	1	1	1	1	Nil	Nil
57-58	Nil	\mathbf{N} il	6	2	1,	, , ,
58-59	**	12	Nil	4	,,	,,
59-60	,,	Nil	,,	Nil	,,	,,
60-61	,,	,,	13	,,	19	,,
11 Years' Average	1	1	1	1	Nil	Nil

^{*}Not considered for calculating the average.

River VEL (BHIMA)	Site SHIKI	RAPUR		Mo	th MAY	
	1	Mean discharge (Cusecs)				f flow for onth	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
		27.0	Nil	Nil	Nil	Nil	
1949-50	Nil	Nil			1411	1411	
50-51	**	,,	18	6	**	,,	
1951-52	Nil	Nil		1	Nil	Nil	
52-53	,,		3	1	,,	**	
53-54	,,		Nil	Nil	31	11	
54-55	(14)	(17)	(10)	(13)	(0.001)	(Nil)	
55-56*	41	19 ਹਵਾਪ	328	136	0.008	0.4	
1956-57	Nil	Nil	19	7	Nil	Nil	
57-58 · ,	2	1	15	6	» ,	**	
58-59	139	8	8	50	0.003	0.1	
59-60	Nil	120	20	46	0.003	0.1	
60-61	**	22	15	13	0.001	Nil	
11 Years' Average	14	15	10	13	0.001	Nil	

^{*}Not considered for calculating the average.

SERIAL No. 31

River MULA-MUT	THA (BHIMA)		PIMPALGAO	N RAHU	Month J	ANUARY
Year	M	ean disch	arge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20 21-31		W hole month	M. A. F.	T. M. C.
1951-52	67	73	83	75	0.005	0.2
52-53	54	33	27	38	0.002	0.1
53-54	35	26	30	30	0.002	0.1
54-55	-61	55	55	57	0.004	0.2
55-56	71	71	68	70	0.004	0.2
1956-57*	N.A.	N.A.	N.A.			
57-58*	54	76	52	60	0.004	0.2
5 8- 5 9		4				
59-60						
60-61						
5 Years' Average	58	52	53	54	0.003	0.2
				•	Month FF	BRUARY
	(A	lean disch	arge (Ousecs)			of flow for
$Year$ $(June\ to\ May)$	1-10	11-20	21-28/29	Whole	M. A. F.	T. M. C.
		5125	n a arri	month	M. A. F.	1. M. U.
1951-52	76	63	43	62	0.004	0.2
52-53	23	10	15	16	0.001	Nil
53-54	25	30	30	28	0.002	0.1
54-55	49	39	32	4 0	0.002	0.1
55-56	71	62	52	62	0.004	0.2
1956-57*	N.A.	N.A.	N.A.			
57-58*	40	35	32	36	0.002	0.1
58-59						
59-60						

49

60-61 . . .

5 Years' Average

41

34

42

0.1

0.003

^{*} Not considered for calculating the average.

SERIAL No. 31

River MULA-MUTHA (BHIMA)

Site PIMPALGAON RAHU

Month MARCH

Year
(June to May)

1-10

11-20

21-31

Whole month

M. A. F. T.M.C.

1949-50* 12 16 19 16 0.001 Nil 50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55 33 31 28 31 0.002 0.1 55-56 51 48 32 43 0.003 0.1 1956-57* N.A. N.A. N.A. N.A. N.A. 57-58* 29 27 26 27 0.002 0.1 58-59* 43 42 33 39 0.002 0.1 59-60 60-61	5 Years'	A۱	er.	age	30	29	27	28	0.002	0.1
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55 33 31 28 31 0.002 0.1 55-56 51 48 32 43 0.003 0.1 1956-57* N.A. N.A. N.A. N.A. N.A. 0.002 0.1 57-58* 29 27 26 27 0.002 0.1 58-59* 43 42 33 39 0.002 0.1	60-61	•	•	•						
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55	59-60	•		•						
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55 33 31 28 31 0.002 0.1 55-56 51 48 32 43 0.003 0.1 1956-57* N.A. N.A. N.A. N.A.	58-59*				43	42	33	39	0.002	0.1
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55 33 31 28 31 0.002 0.1 55-56 51 48 32 43 0.003 0.1	5 7-5 8*				29	27	26	27	0.002	0.1
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1 54-55 33 31 28 31 0.002 0.1	1956-57*			•	N.A.	N.A.	N.A.			
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1	55-56	•	•	•	5]	48	32	43	0.003	0.1
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1 52-53 12 11 6 9 0.001 Nil 53-54 23 28 53 34 0.002 0.1	54-55	•,	•	•	33	31	28	31	0.002	0.1
50-51* 12 23 13 16 0.001 ,, 1951-52 30 26 14 23 0.001 0.1	53-54	•		•	23			34	0.002	0.1
50-51* 12 23 13 16 0.001 ,,	52-53	•	٠		12	11	6	9	0.001	Nil
KO KI* 10 00 10 10 001	1951-52		•		30	26	14	23	0.001	0.1
	50-51*	•	•	•	12	23	13	16 .	0.001	**
					12	16	19	16	0.001	Nil

^{*} Not considered for calculating the average.

River MULA-MU	THA (BHIM	A) Site	PIMPALGA	ON RAHU	Month	APRIL
Year		Mean dischar		Whole	Volume of f the mont	
$(June\ to\ May)$	1-10,	11-20	21-30	Whole m on th	M. A. F.	T. M. C.

1949-50*	17	14	8	13.	0.001	Nil
50-51*	16	8 7	6	10	0.001	,,
1951-52 . , .	(10)	(10)	(10)	(10)	(0.001)	(Nil)
52-53	27	36	6	23	0.001	0.1
53-54	22	10	3	12	0.001	Nil
54-55	14	10	न्यने 33	19	0.001	,,
5 5-5 6	28	23	29	26	0.002	0.1
1956-57*	28	23	28	26	0.002	0.1
5 7-58*	N.A.	N.A.	N.A.			
58-59*	25	28	36	30	0.002	0.1
59-60						
60-61						
5 Years' Average	20	18	16	18	0.001	Nil

^{*} Not considered for calculating the average.

River MULA-MU	THA (BHIM	IA) Site	PIMPALG	AON RAHU	Mon	th MAY
Year (June to May)	1-10	Mean disch	21-31	W hole month	Volume of the mon	nth

24 4	11	25 3	20 3	0.001	0.1
4	2	3	3	****	
				Nil	NiI
(10)	(10)	(10)	(10)	(0.001)	(Nil)
5	2	2	3	Nil	NiI
(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
30	40	12	26	0.002	0.1
16	15	15	15	0.001	Nil
16 N. 4	15.	14 N. A	15	0.001	Nil
60	35	55	50	0.003	0.1
12	13	8	11	0.001	Nil
	5 (Nil) 30 16 16 N.A. 60	5 (Nil) (Nil) 30 40 16 15 N.A. N.A 60 35	5 2 2 (Nil) (Nil) (Nil) 30 40 12 15 15 15 14 N.A. N.A N.A. 60 35 55	5 2 2 3 (Nil) (Nil) (Nil) (Nil) 30 40 12 26 16 15 15 15 16 N.A. N.A. N.A. 60 35 55 50	5 2 2 3 Nil (Nil) (Nil) (Nil) (Nil) (Nil) 30 40 12 26 0.002 16 15 15 15 0.001 16 15 14 15 0.001 N.A. N.A N.A. 60 35 55 50 0.003

MEAN DISCHARGE BY 10-DAY PERIODS AND MONTHS

AND THE VOLUME OF FLOW BY MONTHS

River MULA (BHI	MA)		ULSHI DA		Mon	th JUNE
Year		Mean disch	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1930-31	nazádásága Pilopagrapága ár ármana Pilopaga a gamanana		адилия (Портон в Манадория (По	1,778	0.106	4.6
1 Years' Average				1,778	0.106	4.6
1931-32				-Nil	Nil	Nil
32-33				247	0.015	0.6
33-34				2,048	0.122	5.3
34-35				1,508	0.090	3.9
35-36 . , .				288	0.017	0.7
1936.37 ,				2,343	0.139	6.1
37-38		67.5		1,940	0.115	5.0
38 39		2010	Election .	3,062	0.182	7.9
39-40		V-1881B		298	0.018	8.0
40-41				1,746	0.104	4.5
10 Years' Average		\$ 1 4 §		1,348	0.080	3.5
1941-42		147	THE	1,414	0.084	3.7
42-43		111	B.B. D	866	0.052	2.2
43.4+		ALC: ALC	100.30	1,547	0.092	4.0
44-45		# T. T. C. C.	ALTERNA	502	0.030	1.3
45-46 ,		16-55		1,259	0.075	3.3
1946-47		शराध	न सगर्च	1,438	0.086	3.7
47-48		tal. Mad	크 되었다	24	0.001	0.1
48-49				441	0.026	1.1
49-50				<i>164</i>	0.010	0.4
50-51				23	0.001	0.1
10 Years' Average				768	0.046	2.0
1951-52				842	0.050	2.2
52-53				916	0.055	2.4
$53-54 \dots$				2,261	0.135	5.9
54-55				686	0.041	1.8
55-56				1,070	0.064	2.8
1956-57 ,				960	0.057	2.5
57-58				1,227	0.073	3.2
58-59				908	0.054	2.4
59-60				<i>545</i>	0.032	1.4
60-61				1,857	0.110	4.8
10 Years' Average				1,127	0.067	2.9
31 Years' Average				1,103	0.066	2.9

SERIAL No. 32

River MULA (BHIMA) Site MULSHI DAM Month IULY Mean discharge (Cusecs) Volume of flow for Year the month Whole(June to May) 1-10 11-20 21-31 month M. A. F.T. M. C.1930-31 6,724 0 413 18.0 1 Years' Average 6,724 0.41318.05,174 1931-32 0.31813.9 32 - 336,016 0.37016.1 7,238 33 - 340.44519.4 34-35 6.077 0.37416.3 35 - 364,727 0.29112.7 1936-37 4,170 0.25611.2 7,855 37 - 380.48321.0 38-39 5,325 0.32714.3 39-40 4,934 0.30313.2 40-41 5,920 0.36415.9 10 Years' Average 5,7440.35315.4 1941-42 5,320 0.32714.2 9,338 0.574 42-43 25.0 9,117 43-44 0.56124.4 44-45 7,157 0.44019.2 45-46 7,283 0.44819.5 7,376 0.4541946-47 19.8 4,461 0.274 47-48 11.9 3,342 48-49 0.2059.0 4,251 49-50 0.26111.4 7,407 50-51 0.45519.8 6,505 0.400 17.4 10 Years' Average: 1951-52 3.6280.2239.7 5,954 0.366 15.9 52 - 534,190 53-540.25811.2 6,394 0.39317.1 54-55 3,369 0.20755.56 9.0 8,391 0.516 22.5 1956-57 5,050 0:311 13.5 57-58 8,463 0.52022.7 58 - 5923.3 59-60 8,702 0.5355,696 0.35015.3 60-61

5,984

6,098

10 Years' Average

31 Years' Average

16.0

16.3

0.368 0.375

River MULA (BHIMA)			LSHI DAN		Month AUGUS	
Year.		Meun ave	charge (Ouse		the mont	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1930-31		<u> </u>		3,147	0.194	8.4
1 Years' Average				3,147	0.194	8.4
1931-32				7,577	0.466	20.3
32-33				4,038	0.248	10.8
33-34				9,155	0.563	24.5
34-35				5,997	0.369	16.1
35-36				2,609	0.160	7.0
50.00				2,000	0.200	1.0
1936-37				3, 384	0.208	9.1
37-38			-	2,717	0.167	7.3
		- 50	LNB -	3,273	0.201	8.8
38-39 . ,		100000	ACM BUCK	5,269	0.324	
39.40		10.00		6,117	0.376	14.1
$40-41 \cdot \cdot \cdot$			1000	0,117	0.070	16.4
10 Years' Average		3		5,014	0.308	13.4
1041 40		1.4	265) 16	2,888	0.178	7.7
1941-42		3.74	3 张载 V	4,940	0.304	13.2
42-43		والرباب	di alla da		0.210	
43-44			The second second	3,414		9.1
44-45			49-14-1	6,640	0.408	17.8
45-46		(charle)	62.1	4,774	0.294	12.8
1046 47		-		6,930	0.426	18:6
1946-47			지의 중시다	3,839	0.236	10.3
47-48				3,989	0.245	10.7
48-49				3,439	0.211	9.2
49 50						
$50-51 \dots$				2,105	0.129	5.6
10 Years' Average				4,296	0,264	11.5
1951-52				4,064	0.250	10.9
52-53				3,932	0.242	10.5
53-54				5,413	0.333	14.5
54-55 · · ·				4,086	0.251	10.9
				5,298	0.326	14.2
55-56				0,000	0.020	22.2
1956-57				5,740	0.353	15.4
57-58				4,813	0.296	12.9
58-59				3,223	0.198	8.6
59-60				3,544	0.218	9.5
60-61				4,069	0.250	10.9
				4,418	0.272	11.8
10 Years' Average						
31 Years' Average				4,530	0.279	12 · 1

River MULA (BHIMA))	Site M	JLSHI DAM		Month SEP	TEMBER
77		Mean discha	rge (Cusecs)		Volume o	f flow for
Year (June to May)	1-10	11 -20	21-30	Whole	the mo	nth
(June to 11 ug)	1*10	11 -20	21-30	month	M. A. F.	T. M. C
1930-31				2,121	0.126	5.5
1 Years' Average .				2,121	0.126	5,5
1931-32				2,474	0.147	6.4
32-33				2,296	0.137	6.0
33-34				2,743	0.163	7.1
34-35				1,910	0.114	4.9
35-36				2,342	0.139	6.1
1936-37				2,289	0.136	5.9
37-38				1,997	0.119	5.2
38-39		17	n	1,216	0.072	3.2
39-40		1000000	5915.25	2,102	0.125	5.4
40-41		1145		1,552	0.092	4.0
10 Years" Average				2,092	0.124	5.4
1941-42			RED H	212	0.013	0.5
42-43		3/8/3	宝花 V	2,250	0.134	5.8
43-44		A STATE OF	444.45	2,178	0.130	5.6
44-45				437	0.026	1.1
45-46				1,207	0.072	3.1
1946-47			A STATE OF THE PARTY OF THE PAR	1,377	0.082	3.6
47-48		श्रम्बर	व स्थान	3,202	0.191	8.3
48-49				990	0.059	2.6
49-50				1,861	0.111	4.8
50-51				1,839	0.109	4.8
10 Years' Average				1,555	0.093	4.0
1951-52				315	0.019	0.8
52-53				332	0 020	$0.\tilde{9}$
5 3-5 4 · · ·				704	0.042	1.8
54-55				3,678	0.219	9.5
55-56				2,762	0.164	7.2
1956-57				1,350	0.080	3.5
57-58				648	0.039	1.7
58-59				2,088	0.124	5.4
59-60				3,253	0.194	8.4
60-61				726	0.043	1.9
10 Years' Average				1,586	0.094	4.1
31 Years' Average				1,756	0.105	4.5

River MULA (BHI	MA)		JLSHI DA	MI	Month O	CTOBER
Year -		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	$Whole \\ month$		T. M. C
1930-31			1	188	0.012	0.5
1 Year's Average				188	0.012	0.5
19 31-32				2,437 501 386 153 90	0 150 0.031 0.024 0.009 0.006	6.5 1.3 1.0 0.4 0.2
1936-37 : 37-38 38-39 39-40 40-41		i de E	an Di	70 142 2,250 37 343	0.004 0 009 0.138 0.002 0.021	0 2 0 4 6 0 0.1 0.9
10 Years' Average		S ., 43	347	641	0.039	1.7
1941-42				82 Nil 668 265 117	0.005 Nil 0.041 0.016 0.007	0 2 Nil 1 8 0.7 0.3
1946-47 . , : 47-48 48-49 49.50 50-51		श् _र व्यक्ष	व अधन	185 249 175 248 203	0.011 0.015 0 011 0.015 0.012	0.5 0.7 0.5 0.7 0.5
10 Years' Average				219	0.013	0 6
1951-52				229 116 137 316 659	0.014 0.007 0.008 0.019 0.041	0.6 0.3 0.4 0.8 1.8
1956-57				545 119 118 465 96	0.034 0.007 0.007 0.029 0.006	1.5 0.3 0.3 1.2 0.3
10 Years' Average				280	0.017	0.8
31 Years' Average				374	0.023	10

River MULA (BHIMA)	Site M	ULSHI DAN	ſ	Month NC	VEMBER	
17	Mean disch	arge~(Cusecs)		Volume of flow for the month		
Year (June to May) 1-10	11-20	21-30	Whole month	M. A. F.	$\frac{\partial min}{\int T. M. C}$	
1930-31	odeolommics, (s) of acceptance was communicated as a property of the second		Nil	Nil	Nil	
1 Year's Average			\overline{Nil}	$\overline{}$ $\phantom{$	Nil	
1931-32			138 Nil	0.008 Nil	0.4 Nil	
33-34 · · · · . 34-35 · · · ·			,,	,,	,,	
35-36			"	,,	59 51	
1936 37			Nil	Nil	Nil	
38-39	-	war.	25	,,	35	
39-40 ,	100		,,	"	,, ,,	
40-41	G1833		**	,,	,,	
10 Years' Average			14	0.001	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	
1941-42	\b		$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil	Nil	
42-43	5/1/3	14.	19		_ 12	
43-44	ار بار ای		39	0.002	0.1	
44-45 45-46	3 3 36		Nil	0.004 Nil	0.2 Nil	
10-20	137.5	SAYA		1417	1416	
1946-47	100		318	0.019	0.8	
47.48	संस्थाप	व अग्रन	Nil	Nil	Nil	
$48.49 \dots$	1 1 1	11 17 1	549	0.033	1.4	
49.50			Nil	Nil	Nil	
50-51			**	,,	3 9	
10 Years' Average			98	0.006	0.2	
1951-52			4	Nil	Nil	
52.53			Nil	>,	,,	
53-54			,,	,,	,,	
54-5 5			,,		,,,	
55-56			55	0.003	0.1	
1956 57			111	0.007	0.3	
57-58			91	0.005	0.2	
58-59			Nil	Nil	Nil	
59-60			37	,,	51	
60-61			"	,,,	,,	
IO Years' Average			26	0.002	0.1	
31 Years' Average			44	0.003	0.1	

V		Mean discha	rge (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M.AF.	T. M. C
1930-31			<u> </u>	Nil	Nil	Nil
1 Year's Average				$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil
1931-32				$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil	Nil
32-33				* ?	**	**
33-34 34-35				**	>	**
35-36				11	**	- * * * * * * * * * * * * * * * * * * *
1936-37				Nil	Nil	Nil
37-38		V=VII	47	91	**	**
38-59		500	Sile Co	1 9	3.5	,,
39-40		11.00		,,,	• •	,,
				Nil	Nil	Nil
10 Years' Average		ેંગ ફકુ	1	AV VI	AY ! !	11 00
1941-42		1.47	111	Nil	Nil	Nil
42.43		101	5.11.1	**	**	**
43-44		A STATE OF THE PARTY OF THE PAR		**	11	••
41-45 · · · · · · · · · · · · · · · · · · ·) 1))	• •	9 9
/ · · · · · · · ·		15000	C. Land			
1946-47		संस्कृति ।	a remail	Nil	Nil	Nil
47-48 · · · · · · · · · · · · · · · · · · ·		ELENIM-		** .	» ;	29 91
49-50				,,	,,	11
50-51				٠,	• •	,,
10 Years' Average				\overline{Nil}	$\overline{}$	$\overline{Ni!}$
1951-52				\overline{Nil}	Nil	Nil
52-53				,,	, ,	**
53-54				,,	**	••
54-55				••	19	**
55-56 · · ·				**	• •	*,
1956-57				Nil	Nil	Nil
57-58				39	0.002	0.1
58-59				Nil	Nil	Nil
59-60 60-61				**	, 1	** **
				4	$-\frac{1}{Nil}$	Nil
10 Years' Average				£	14 61	
31 Years' Averags				1	Nil	Nil

River	River MULA (BHIMA)			ULSHI DAM	Month JANUARY-AI		
	37		Mean discl	arge (Cusecs)		Volume of flow for	
(June	Year to May)	1-10	11-20	21-END	Whole month	M. A. F.	T. M. C
1930-3	1				Nil	Nil	Nil
1 Year	r's Average			antur dag	Nil	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil
1931-3					\overline{Nil}	Nil	Nil
32-3					,,	**	,,
33-3					**	**	**
34-3					**	37 .	**
35-3	19				72	**	,,
3936- 3	7				Nil	Nil	Nil
37-3			-		***	",	>>
38-3	9		100	tell-ou	,,	**	**
39-			J-1845	82,645	,,	,,	23
40-4	1				27	**	,,
10 Yea	ırs' Average:		\54g		\overline{Nil}	Nil	\overline{Nil}
1941-4	2		L.	577	Nil	Nil	Nil
42-4	3		1 1 1		**	"	**
43-4			4 to 18 to	1 1 1 1 1	9.3	>9	37
44-4					9.9	500	"
45-4	ti		I Table		**	"	**
1946-4	7				Nil	Nil	Nil
47.4			21 CO 10	티 되지다	** **		
48-4						**	9.9
49-5					"	,,	**
50-5	1				**	,,	19
10 Yes	ırs' Average			i dan di	Nil	Nil	Nil
195 F-5	2				\overline{Nil}	Nil	Nil
52-5					,,	,,	,,,
53-5					**	,,	,,
54-5					29	27	,,
55-5	о				**	**	,,
I956-5	7				Nil	Nil	Nil
57-5	8				**	31	,,
58-5	9				,,	79	",
59-6					,,	>>	,,
60-6	il			_	**	22	**
10 Yes	ırs' Average			_	Nil	Nil	Nil
31 Yes	rs' Average			-	Nil	Nil	Nil

ver MULA (BHIMA)			ULSHI DAM			th MAY
Year		Mean disch	arge (Cusecs)	7	Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1930-31				Nil	Nil	Nil
1 Year's Average				Nil	$\overline{}$	Nil
1931-32				Nil	Nil	Nil
32-33				**	,,	1>
33-34				>,	,,	**
34-35 35-36				**	,,,	37 37
90-00				**	,,	
1936-37				Nil	Nil	Nil
37-38		500	An .	1 >>	,,	"
38-39 39 -40		45.00	15/1s.2s	27	,• 7 ;	"
40-41		ahe i)))7	,,	,,
10 Years' Average				$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil	Nil
1941-42		3	AFT A	Nil	Nil	Nil
42-43		3.7		3,	,,	"
43-44		10	P. Market	"	,,	,,
44-45				,,	**	,,
45-46				"	,,	**
1946-47				Nil	Nil	Nil
47-48		श्री हैं कि जिल्हा	व सपन	,,	11	79
48-49				9>	"	**
49-50				**	**	"
50-51				***		***
10 Years' Average				Nil	Nil	Nil
1951-52				Nil	Nil	Nil
52-53				,,,	32	**
53-54 · · · · 54-55 · · ·				,,,	"	5,
55-56				50	0.003	0.1
1956-57				12	0.001	Nil
57-58				42	0.003	0.1
58-59				Nil	Nil	Nil
59-60 60-61					0.003	0.1
10 Years' Average				15	0.001	Nil
31 Years' Average				5	Nil	Nil

Year -	1	Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C
1946-47	(Nil)	(Nil)	1,859	620	0.037	1.6
47-48	,,	,,	(Nil)	(Nil)	(Nil)	(Nil)
48-49	,,	,,	,,	,,	,- ·/	,,
49-50	,,	97 🐖	20023), 27	,,	,,	97
50-51	,,			"	•	,,
5 Years' Average	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		372	124	0.007	0.3
1951-52	(Nil)	138	2,012	717	0.043	1.9
52-53	,,		2,288	763	0.045	2.0
53-54	33.	69	7,452	2,507	0.149	6.5
54-55	,,	184	847	344	0.020	0.9
55-56	**	46	2,967	1,004	0.060	2.6
1956-57	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
57-58	,,	2	4,370	1,457	0.087	3.8
58-5 9	,,	46	1,863	636	0.038	1.6
59-60	,,	11	149	53	0.003	0.1
60-61	**	138	5,278	1,805	0.107	4.7
10 Years' Average	\overline{Nil}	64	2,723	929	0.055	2.4
15 Years' Average	Nil	42	1,939	660	0.039	1.7

River MUTHA (B)		Site KHAI Mean discha	DAKWASLA		Volume of flow for		
Year (June to May)			Whole	the month			
(b ane to may)	1-10	11-20	21-31	month	M. A. F.	T. M. C	
1946-47	11,477	3, 956	24,997	13,848	0.851	37.1	
47-48	(Nil)	11,649	3,300	4,929	0.303	13.2	
48-49	**	1,702	5,842	2,622	0·161	7.0	
49-50	,,	7,360	2,116	3,125	0.192	8.4	
50-51	943	18,020	14,685	11,328	0.697	30.3	
5 Years' Average	2,484	8,537	10,188	7,170	0.441	19.2	
1951-52	518	2,921	11,557	5,210	0.320	14.0	
52-53	1,288	9,464	20,700	10,814	0.665	29.0	
53-54	11,994	7,808	1,069	6,767	0.416	18.1	
54-55	9,441	18,722	1,886	9,754	0.600	26.1	
55-56	7,417	4,853	3,116	5,064	0.311	13.6	
1956-57	18,285	15,387	8,165	13,759	0.846	::6.9	
57-58	4,577	13,708	3,116	7,004	0.431	18.8	
58-59	14,687	24,934	8,322	17,347	1.067	46.5	
59-60	15,214	14,260	18,354	16,020	0.985	42.9	
60-61	15,628	1,621	10,131	9,159	0.563	24.5	
10 Years' Average	9,905	11,368	8,642	10,090	0.620	27.0	
15 Years' Average	7,431	10,424	9,157	9,117	0.560	24.4	

River MUTHA (BHI			AKWASLA	,		AUGUS1
Y_{ear}		Iean discharg	e (Cusecs)	TTPT 7	Volume of the mo	f now for nth
(June to May)	1-10	11-20	21-31	Whole month	M A. F.	T. M. C
1946-47	17,687	9,579	3,519	10,044	0.618	26.9
47-48	506	2,116	13,305	5,567	0.342	14.9
48-49	1,690	13,546	1,104	5,307	0.326	14.2
49-50	11,316	1,495	460	4,296	0.264	11.5
50-51	4,784	690	391	1,905	0.117	5.1
5 Years' Average	7,197	5,485	3,756	5,424	0.334	14.5
1951-52	17,434	4,600	1,380	7,597	0.467	20.3
52-53	11,523	4,715	1,782	5,870	0.361	15.7
53-54	14,513	12,063	1,955	9,260	0.569	24.8
54-55	15,433	3,059	1,656	6,553	0.403	17.6
55-56	6,033	6,647	8,510	7,110	0.437	19.0
1956-57	17,664	4,140	885	7,348	0.452	19.7
57-58	7,268	4,145	4,416	5,249	0.323	14.1
58-59	2,702	18,032	4,197	8,178	0.503	21.9
59-60	6,106	2,392	8,544	5,773	0.355	15.5
60-61	11,132	7,239	1,828	6,588	0.405	17.6
10 Years' Average	10,981	6,703	3,515	6,953	0.428	18.6
15 Years' Average	9,719	6,297	3,595	6,443	0.396	17.3

River MUTHA (BI	HIMA)	Site KHA	DAKWASLA	L	Month SEP	TEMBER
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	W hole month	M.A.F.	T.M.C
1946-47	2,231	563	368	1,054	0.063	27
47-48	5,865	506	5,704	4,025	0.240	10.4
48-49	552	518	402	490	0.029	1.3
49-50	218	288	2,783	1,096	0.065	28
50-51	1,253	1,219	621	1,031	0.061	2 7
5 Years' Average	2,024	619	1,976	1,539	0.092	$\frac{-}{4.0}$
1951-52	322	322	195	279	0.017	07
52-53	552	276	173	334	0.020	0.9
53-54	885	724	299	636	0.038	1.6
54-55	6,336	3,013	2,277	3,875	0.231	10.0
55-56	8,222	644	1,495	3,454	0.206	9.0
1956-57	678	494	1,322	<i>831</i>	0.049	2.2
57-58	713	172	Nil	295	0.018	0.8
58-59	2,656	2,502	540	1,899	0.113	4.9
59-60	12,385	1,736	552	4,891	0.291	12.7
60-61	747	609	1,863	1,073	0.064	28
10 Years' Average	3,350	1,049	872	1,757	0.105	4.6
15 Years' Average	2,908	906	1,240	1,684	0.100	4.4

River MUTHA (BH	IMA)	Site KHAD	AKWASLA		Month	OCTOBER
Year -		Mean dischar		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A. F.	T. M. C
1946-47	357	81	(Nil)	141	0.009	0.4
47-48	725	311	46	351	0.022	0.9
48-49	368	172	172	237	0.015	0.6
49-50	230	138	(Nil)	119	0.007	0.3
50-51	437	69		163	0.010	0.4
5 Years' Average	423	154	44	202	0.013	0.5
1951-62	345	460	356	387	0.024	1.0
52-53	161	23	(Nil)	59	0.004	0.2
53-54	345	80		137	0.008	0.4
54-55	943	241	103	418	0.026	1.1
55-56	1,150	1,150	989	1,093	0.067	2.9
1956-57	1,771	667	207	860	0.053	2.3
57-58	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59	253	93	**	82	0.005	0.2
59-60	333	276	**	196	0.012	0.5
60-61	322	80	* ,	130	0.008	0.3
10 Years' Average	562	298	166	336	0.021	0.9
15 Years' Average	516	250	125	292	0.018	0.8

-		Mean discha	rge (Cusecs)		Volume of	flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
				·		
1946-47	Nil	Nil	Nil	Nil	Nil	Nil
47-48	,,,	,,	**	,,	"	,,
48-49	69	35	2,300	801	0.048	2.1
49-50	Nil	Nil	Nil	Nil	Nil	Nil
50-51	,,			,,	29	,,
5 Years' Average	14	7	460	160	0.010	0.4
1951-52	69	23	(Nil)	31	0.002	0.1
52-53	Nil	Nil	Nil	Nil	Nil	Nil
5 3-5 4	1,	1	5-17.	33	,,,	,,
54-55	**	 सहस	ra and	**	**	,,
55-56	,,	23 Ed. 24 Pe	[1] 취식자	,,	,,	**
1956-57	322	115	115	184	0.011	0.5
57-58	Nil	Nil	Nil	Nil	Nil	Nil
58-59	,,	,,	,,	,,	,,	7.3
59-6 0	,,	39	* *	"	,,	,,
60-61	,,	"	**	,,	,,	3,
10 Years' Average	39	14	12	22	0.001	0.1
15 Years' Average	31	12	161	68	0.004	0.2

River MUTHA (BH	IMA)	Site KH	ADAKWASI	L A	Month DE	CEMBER
Year	Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T, M, C
1946-47	104	94	44	79	0.005	0.2
47-48	18	6	18	14	0.001	Nil
48-49	Nil	50	84	46	0.003	0.1
49-50	23	16	20	20	0.001	0.1
50-51	51	40	33	41	0.003	0.1
5 Years' Average	39	4.1	40	40	0.003	0.1
1951-52	34	20	8	21	0.001	0.1
52-53	25	36	30	30	0.002	0.1
53-54	21	21	16	29	0.002	0.1
54-55	3	26	17	19	0 001	0.1
55-56	36	29	न नयने 29	31	0.002	0.1
1956-57	6	24	3 0	20	0.001	0.1
5 7-5 8	16	19	27	21	0.001	0.1
58-59	17	8	1	g	0.001	Nil
59-60	3 2	22	8	21	0.001	0.1
60-61	5	13	8	9	0.001	Nil
10 Years' Average	20	22	17	21	0.001	0.1
15 Years' Average	27	28	25	27	0.002	0.1

River MUTHA (BH	IIMA)	Site KHA	DAKWASLA		Month]	JANUARY
Year		Mean discha	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C.
1945-46*	5	5	3	4	Nil	Nil
1946-47	66	5	85	53	0.003	0.1
47-48	7	13	18	36	0.002	0.1
48-49	28	38	25	30	0.002	0.1
49-50	13	24	-26	21	0.001	0.1
50-51	35	22	33	30	0.002	0.1
5 Years' Average	30	20	37	34	0.002	0.1
1951-52	2	9 1	8	6	Nil	Nil
52-53	22	12	12	15	0.001	,,
53-54	25	24	18	22	0.001	0.1
54-55	20	25	26	24	0.001	0.1
55-56 · · ·	24	18	14	19	0.001	0.1
1956-57	20	4	19	14	0.001	Nil
57-58	8	13	10	10	0.001	,,
58-59	Nil	Nil	2	1	Nil	,,
59-60	13	10	2	8	7,5	**
60-61	10	7	3	7	**	,,
10 Years' Average	14	12	11	13	0.001	Nil
15 Years' Average	20	15	20	20	0.001	0.1

^{*} Not considered for calculating the average.

River MUTHA (BHI	MA)	Site KH	ADAKWASLA	A	Month FEI	BRUARY
Year -		Mean discho	Volume of flow for the month			
(June to May)	1-10	11-20	21-28 29	Whole m onth	M.A.F.	T. M. C
1945-46*	7	14	10	10	0.001	Nil
1946-47	Nil	5	25	10	0.001	Nil
47-48	5	16	9	10	0.001	,,
48-49	14	38	6	19	0.001	,,
49-50	17	21	14	17	0.001	,,
50-51	27	16	33	25	0.001	0.1
5 Years' Average	13	19	17	16	0.001	Nil
1951-52	25	9	5	13	0.001	Nil
52-53	3	16	17	12	0.001	,,,
53 -54	22	17	6	15	0.001	119
54- 55 · · ·	13	9	3	8	Nil	,,
55-56	26	4	FI 4747	12	0.001	29
1956-57	Nil	5	3	3	Nil	Nil
57-58	,,	2	Nil	1	**	,,
58-59	2	3	14	6	,,,	**
59-60	Nil	3	Nil	1	,,	,,
60-61	,,	Nil	**	Nil	,,	,,
10 Years' Average		7	6	7	Nil	\overline{Nil}
15 Years' Average	10	11	9	10	0.001	Nil

^{*} Not considered for calculating the average.

River MUTHA (BHIMA)		Site	KHADAKWA	Month MARCH		
Year		Mean discharge (Cusecs)			Volume of the mo	f flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1945-46*	8	7	5	7	Nil	Nil
1946-47	2	3	9	5	Nil	Nil
47-48	14	6	6	9	0.001	**
48-49	12	13	7	10	0.001	,,
49-50	9	9	23	10	0.001	,,
50-51	15	17	21	18	0.001	,,
5 Years' Average	10	10	13	10	0.001	Nil
1951-52	8	10	3	7	Nil	Nil
52-53	10	9	8	9	0.001	,,
53-54	2	14	1 15	10	0.001	,,
54-5 5	11	18	17	15	0.001	**
55- 56	5	8	व नयन 22	12	0.001	**
1956-57	3	38	6	16	0.001	Nil
57-58	3	3	7	4	Nil	,,
58-59 , , ,	6	Nil	4.	3	,,	,,
59-60	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
60-61	,,	**	19	,,	,,	**
10 Years' Average	5	10	8	8	Nil	Nil
15 Years' Average	7	10	10	9	0.001	Nil

^{*} Not considered for calculating the average.

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River MUTHA (BHI		Site KHAD				APRIL	
Year		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C	
1945-46*	6	5	6	6	Nil	Nil	
1946-47	25	17	Nil	14	0.001	Nil	
47-48	2	16	8	g	0.001	>>	
48-49	13	3	3	6	Nil	,,	
49-50	5	Nil	10	5	11	3,	
50-51	3	17	$2\overline{0}$	13	0.001	••	
5 Years' Average	10		8	9	0.001	Nil	
1951-52	21	8	2	10	0.001	Nil	
52-53	9	13	16	13	0.001	,,	
53-54	12	8	-1/14	11	0.001	,,	
54-55	35	27	20	27	0.002	0.1	
55-56 ,	25	21	21	22	0.001	0.1	
1956-57	15	9	36	20	0.001	0.1	
57-58	3	5	45	18	0.001	Nil	
58-59	2	1	Nil	1	Nil	,,	
59-60	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
60-61	**	**	,,	**	. 25	,,	
10 Years' Average	12	9	15	12	0.001	Nil	
15 Years' Average.	11	10	13	11	0.001	Nil	

^{*} Not considered for calculating the average.

River MUTHA (BH	IMA)	Site K	HADAKWA	SLA	Mon	th MAY	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hol e month	M. A. F.	T. M.	
1945-46	16	3	5	8	Nil	Nil	
1946-47	5	1	5	4	Nil	Nil	
47-48	9	5	14	g	0.001	**	
48-49	6	Nil	30	12	0.001	,,	
49-50	9	6	50	22	0.001	0.1	
50-51 , , ,	15	6	26	16	0.001	Nil	
5 Years' Average	9	4	25	13	0.001	Nil	
1951-52	2	5	17	8	Nil	Nil	
52-53	3	16	4	8	,,	,,	
53-54 , . :	9	8	- 5	7	**	3,	
54-55	13	27	17	19	0.001	0.1	
55-56	18	15	व समन	13	0.001	Nil	
1956-57	40	22	10	24	0.001	0.1	
57-58	3	Nil	2	2	Nil	Nil	
58-59	4	1	3	3	"	,,	
59-60	1	Nil	Nil	Nil	29	,,	
60-61	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
10 Years' Average	9	9	6	8	Nil	Nil	
15 Years' Average	9	7	13	10	Nil	Nil	

^{*} Not considered for calculating the average.

River GHOD (BHIN	/[A)	Site N	IRGUDSAR	1	Mon	th JUNE
Year -		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M, A, F.	T. M. C
1906-07	Nil	116	676	264	0.016	0.7
07-08	10	66	213	96	0.006	0.2
08-09	(2)	(142)	(868)	(338)	(0.020)	(0.9)
09-10	Nil	388	1,531	640	0.038	1.7
10-11	,,	Nil	1,052	<i>351</i>	0.021	0.9
5 Years' Average	2	142	868	338	0.020	0.9
1911-12	Nil	433	291	241	0.014	0.6
12-13	553	1,370	2,904	1,685	0.100	4.4
13-14	868	735	8,407	3,716	0.221	9.6
14-15	16	75	3,148	1,346	0.080	3.5
15-16	Nil	Ņil	4,019	1,340	0.080	3.5
1916-17	130	150	423	234	0.014	0.6
17-18	126	116	730	324	0.019	0.8
18-19	19	9	\sim 1 $ 29 $	19	0.001	Nil
19-20	106	482	110	233	0.014	0.6
20-21	Nil	85	376	154	0.009	0.4
10 Years' Average	182	346	2,044	929	0.055	2.4
1921-22	Nil	22	54	25	0.001	0.1
22-23	,,	29	772	267	0.016	0.7
23-24	,,	Nil	Nil	Nil	Nil	Nil
24-25	,,	,,	52	17	0.001	,,
25-26	345	83	618	<i>349</i>	0.021	0.9
1926-27	4	5	31	13	0.001	Nil
6 Years' Average	58	23	255	112	0.007	0.3
21 Years' Average	104	205	1,253	555	0.033	1.4

River GHOD (BHIN	IA)	Site	NIRGUDSAI	R	Mon	th JULY
17	Ĭ	Mean discharge (Cusecs)			Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	$\frac{\text{the mo}}{M. A. F.}$	T. M. C
1906-07	1,632	1,292	5,742	2,981	0.183	8.0
07-08	92	1,102	14,071	5,078	0.312	13.6
08-09	3,404	5,735	5,192	4,886	0:300	13.1
09-10	3,853	9,308	7,551	6,925	0.426	18.5
10-11	5,491	2,372	1,738	3,153	0.194	8.4
5 Years' Average	2,894	3,776	6,859	4,605	0.283	12.3
1911-12	423	1,663	498	850	0.052	2.3
12-13	2,212	3,364	12,661	6,291	0.387	16.8
13-14	4,652	7,000	8,434	6,751	0.415	18.1
14-15	4,763	7,079	13 003	8,434	0.519	22.6
15-16	1,032	549	6,808	2,926	0.180	7.8
1916-17	222	402	1,989	907	0.056	2.4
17-18	1,113	1,262	2,556	1,673	0.103	4.5
18-19	386	27	269	229	0.014	0.6
19-20	2,268	882	6,210	3,220	0.198	8.6
20-21	2,359	4,967	3,526	3.614	0.222	9.7
10 Years' Average	1,943	2,720	5,595	3,490	0.215	9.3
1921-22	56	135	11,648	4,195	0.258	11.2
22-23	2,766	1,428	5,496	3,174	0.195	8.5
23-24	100	1,650	4,453	2,144	0.132	5.7
24-25	415	1,322	3,725	1, 998	0.123	5.4
25-26	998	6,271	2,732	3,314	0.204	8.9
1926-27	1,853	1,272	2,561	1,917	0.118	5.1
6 Years' Average	1,031	2,013	5,103	2,790	0.172	7.5
21 Years' Average	1,909	2,769	5,755	3,555	6.213	9.5

River GHOD (BHIM	IA)	Site NIRGUDSAR			Month AUGUST	
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	$Whole \\ month$	M.A.F.	T. M. C
1906-07	1,795	1,079	2,995	1,990	0.122	5.3
07-08	7,327	12,267	3,578	7,591	0.467	20.3
08-09	9,668	7,787	6,788	8,039	0.494	21.5
09-10	6,379	3,872	1,661	3,896	0.240	10.4
10-11	8,941	10,050	6,350	8,379	0.515	22.4
5 Years' Average	6,822	7,011	4,274	5,979	0.368	16.0
1911-12	5,914	4,216	3,007	4,335	0.267	11.6
12-13	15,056	4,024	3,899	7,538	0.463	20.2
13-14	7,626	4,699	6,041	6,110	0.376	16.4
14-15	9,863	2,659	2,184	4,815	0.296	12.9
15-16	7,77 7	1,171	1,452	3,401	0.209	9.1
1916-17	4,237	5,977	4,977	5,061	0.311	13.6
17-18	1,715	1,977	3,700	2,504	0.154	6.7
18-19	1,862	1,763	2,134	1,927	0.118	5.2
19-20	4,621	1,642	4,793	3,721	0.229	10.0
20-21	4,623	940	343	1,916	0.118	5.1
10 Years' Average	6,329	2,907	3,253	4,133	0.254	11,1
1921-22	3,272	3,943	666	2,564	0 158	6.9
22-23	2,534	1,686	2,302	2,178	0.134	5.8
23-24	4,507	4,446	1,468	3,409	0.210	9.1
24-25	3,880	802	17,104	7,580	0.466	20.3
25-26,	1,660	1,370	1,681	1,574	0 097	4.2
26-27	4,798	6,638	2,742	4,662	0.287	12.5
6 Years' Average	3,442	3,148	4,327	3,661	0.225	9.8
21 Years' Average	5,622	3,963	3,803	4,438	0.273	11.9

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River GHOD (BHIN	MA)	Site N	RGUDSAR			TEMBER	
Year		Mean discharge (Cusecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M. C	
1906-07	2,235	1,531	1,591	1,785	0.106	4.6	
07-08	1,216	466	287	656	0.039	1.7	
08-09	2,604	2,527	2,938	2,690	0.160	7.0	
09-10	2,927	2,694	1,091	2,238	0.133	5.8	
10-11 :	4,848	3,319	3,321	3,829	0.228	9.9	
5 Years' Average	2,766	2,107	1,846	2,240	0.133	5.8	
1911-12	2,344	666	366	1,126	0.067	2.9	
12-13	3,621	4,155	2,469	3,415	0.203	8.9	
13-14	6,837	2,873	2,074	3,928	0.234	10.2	
14-15	634	5,451	1,647	2,578	0.153	6.7	
15-16	1,962	1,091	1,860	1,637	0.097	4.2	
1916-17	4,369	2,525	2,814	3,236	0.193	8.4	
17-18	2,032	616	982	1,210	0.072	3.1	
18-19	571	105	105	260	0.015	0.7	
19-20	1,960	288	1,379	1,209	0.072	3.1	
20-21	269	617	344	410	0.024	1.1	
10 Years' Average	2,460	1,839	1,404	1,901	0.113	4.9	
1921-22	995	2,832	1,042	1,623	0.097	4.2	
22-23	1,398	1,017	985	$1,\!134$	0.067	2.9	
23-24	650	1,445	1,827	1,307	0.078	3.4	
24-25	2,252	1,406	3,190	2,283	0.136	5.9	
25-26	312	175	186	\ 22 4	0.013	0.6	
1926-27	2,164	1,010	1,934	1,702	0.101	4.4	
6 Years' Average	1,295	1,314	1,527	1,379	0.082	3.6	
21 Years' Aerage	2,200	1,753	1,544	1,832	0.109	4.7	

River GHOD (BHI	MA)	Site N	IRGUDSAR		Month	OCTOBE
Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M.O
1906-07	200	83	32	103	0.006	0.3
07-08	144	49	31	73	0.004	0.2
08-09	991	378	698	689	0.042	1.8
09-10	2,868	1,711	534	1,667	0.102	4.5
10-11	8,661	1,558	1,524	3,837	0.236	10.3
5 Years' Average	2,573	756	564	1,274	0.078	3,4
1911-12	219	141	98	151	0.009	0.4
12-13	2,300	1,943	1,565	1,924	0.118	5.2
13-14	1,642	1,604	1,138	1,451	0.089	3.9
14-15	547	300	128	319	0.020	0.9
15-16	1,342	470	306	693	0.043	1.9
1916-17	902	412	9,815	3,907	0.240	10,5
17-18	1,875	444	183	813	0.050	2.2
18-19	34	28	20	27	0.002	0.1
19-20	889	138	9 - 9 - 9 66	<i>355</i>	0.022	1.0
20-21	58	30	25	37	0.002	0.1
10 Years' Average	981	551	1,334	968	0.060	2.6
1921-22	314	67	45	139	0.009	0.4
22-23	88	45	31	54	0.003	0.1
23-24	156	50	30	77	0.005	0.2
24-25	585	142	98	269	0.017	0.7
25-26	111	23	18	50	0.003	0.1
26-27	414	97	45	181	0.011	0.5
6 Years' Average	278	71	45	128	0.008	0.3
21 Years' Average	1,159	463	782	801	0.049	2.2

River GHOD (BHIM			GUDSAR			VEMBER
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M. C
1906-07	30	17	8	18	0.001	Nil
07-08	22	20	18	20	0.001	0,1
08-09 . , ,	2 4	50	38	38	0.002	0.1
09-10	124	43	31	66	0.004	0.2
10-11	448	168	65	227	0.014	0.6
5 Years' Average	130	60	32	74	0.004	0.2
1911-12	83	63	118	88	0.005	0.2
12-13	1,518	1,103	882	1,168	0.070	3.0
13-14	839	372	50	420	0.025	1.1
14-15	77	66	42	62	0.004	0.2
15-16	201	87	54	114	0.007	0.3
1916-17	1,448	375	296	706	0.042	1.8
17-18	47	18	83	50	0.003	0.1
18-19	16	14	13	14	0.001	Nil
19-20	116	55	리 뒤라다 45	72	0.004	0.2
20-21	18	12	6	12	0.001	Nil
10 Years' Average	436	216	159	271	0.016	0.7
1921-22	21	12	9	14	0.001	Nil
22 -23	497	186	30	2,38	0.014	06
23-24	18	17	11	15	0.001	Nil
24-25	68	44	20	47	0.003	0.1
25-26	13	27	17	19	.0.001	Nil
1926-27	43	24	14	27	0.002	0.1
6 Years' Average	110	52	18	60	0.004	0.2
21 Years' Average	270	132	88	164	0.010	0.4

River GHOD (BHII	MA)	Site NIRGUDSAR			Month DECEMBER		
Year		Mean dische	Volume of flow for the month				
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1906-07	7	4	2	4	Nil	Nil	
07-08	16	14	12	1 4	0.001	,,	
08-09	20	15	11	<i>15</i>	0.001	,,	
09-10	21	16	12	16	0.001	,,	
10-11	49	41	32	40	0.002	0.1	
5 Years' Average	23	18	14	18	0.001	Nil	
1911-12	115	/15 32	Sizin.	46	0.003	0.1	
12-13	19	13	9	14	0.001	Nil	
13-14	41	36	26	34	0.0 2	0.1	
14-15	31	26	22	26	0 002	0.1	
15-16	41	32	26	33	0.002	0.1	
1916-17	130	30	23	60	0.004	0.2	
17-18	10	26	21	19	0.001	0.1	
18-19	15	10	9	11	0.001	Nil	
19-20	25	21	17	21	0.001	0.1	
20-21	3	2	2	2	Nil	Nil	
10 Years' Average	43	21	17	27	0.102	0.1	
1921-22	6	5	3	5	Nil	Nil	
22-23	13	6	4	8	**	,,	
23-24	8	6	4	6		,,	
24-25	21	15	12	16	0.001	,,	
25-26	11	8	5	8	Nil	,,	
1926-27	10	6	4	7	Nil	Nil	
6 Years' Average	12	8	5	. 8	$\overline{}$	Nil	
21 Years' Average	29	17	13	19	0.001	Nil	



River MINA (GH			VADGAON	Month JUNE Volume of flow for		
Year		Mean discha	rge (Cusecs)	1 777 7	volume of the mo	j jiow jor nth
(June to May)	1-10	11-20	21-30	Whole month	M, A . F .	T. M. C
1904-05	Nil	52	325	222	0.013	0.6
05-06	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1906-07	(Nil)	191	225	13 9	0.008	0.4
07-08	,,	(Nil)	_2	1	Nil	Nil
08-09	,,		(Nil)	(Nil)	(NiI)	(Nil)
09-10	Nil	3	111	38	0.002	0.1
10-11	,,	61	57	40	0.002	0.1
1911-12	2	35	9	15	0.001	Nil
12-13	6	8	27	15	0.001	,
13-14		17.7				
9 Years' Average	1	39	84	52	0.003	0.1
1914-15		434	a alura			
15-16						
1916-17						
17-18	109	83	1 6 5	119	0.007	0.3
18-19	17	14	20	17	0.001	Nil
19-20	56	57	6	40	0.002	0.1
20-21	Nil	71	135	69	0.004	0.2
1921-22	Nil	Nil	1	Nil	Nil	Nil
22-23	,,	5	29	11	0.001	
23-24	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	,, (Nil)
24-25	ì	12	17	10	0.001	Nil
§ Years' Average	23	30	47	33	0.002	0.1

		ышы А	L NO. 39			
River MINA (GHOD)	Site W	Month JUNE			
Year -		Mean dischar	Volume of the mo	Volume of flow for		
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M.A.F.	T. M. C
		,				
1946-47						
47-48	8	4	26	13	0.001	Nil
48-49	2	54	44	33	0.002	0.1
49-50	5	3	= 4,	4	Nil	Nil
50-51 ,	2	2	2	2		"
1951-52*	N.A.	N.A.	N.A.			
52-53	8	4	54	22	0.001	0.1
53-54	1	4.5	325	103	0.006	0.3
54-55	9	2	20	10	0.001	Nil
55-56	3	2	26	10	0.001	,,
1956-57*	N.A.	N.A.	N.A.			
57-58	3	2	526	177	0.011	0.5
58-59	2	26	15	14	0.001	Nil
59-60	37	2	24	21	0.001	0.1
60-61	4	3	13	77	Nil	Nil
12 Years' Average	7	9	90	35	0.002	0.1
29 Years' Average	9	24	76	40	0.002	0.1

^{*} Not considered for calculating the average.

River MINA (GHC)D)	Site V	Month JULY			
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1904-05	1,265	272	3+1	617	0 038	17
05-06 , , .	1,495	405	1,192	968	0 060	2.6
1906-07	362	437	1,167	672	0 041	1.3
07-08	3	14	6,431	2,287	0.141	6.1
08-09	89	322	629	366	0.023	1.0
09-10	541	1,753	1,022	1,103	0.068	3.0
10-11	576	36	17	203	0.012	0.5
1911-12	53	246	86	127	0.008	0.3
12-13	24	185	8,418	3,054	0.188	8.2
13-14						
9 Years' Average	490	408	2,145	1,044	0.064	2.8
1914-15		et et	7 77 1			
15-16						
1916-17						
17-18	200	359	561	379	0.023	1.0
18-19	30	25	28	28	0.002	0.1
19-20	359	116	1,106	546	0.034	1.5
20-21	427	716	610	585	0.036	1.6
1921-22	13	28	2,718	977	0.060	2.6
22 -23	1,093	183	1,716	1,020	0.063	2.7
23-24	Nit	788	1,645	838	0.052	2.2
24-25	28	96	730	299	0.018	0.8
8 Years' Average	269	289	1,139	584	0.036	1.6

SERIAL No. 35

	W 13 161 7				
(D)	Site V	Month JUL			
	Mean dischar	rge (Cusecs)			of flow for
1-10	11-20	21-31	W hole month		T.M.C
		-)		
199	1,397	349	639	0.039	1.7
133	164	211	171	0.011	0.5
21	179	140	114	0.007	0.3
12	1,005	1,983	1,032	0.063	2.8
8	245	777	357	0.022	1.0
75	298	2,315	942	0.058	2.5
379	97	52	172	0.011	0.5
353	1,547	135	661	0.041	1.8
113	65	134	105	0.006	0.3
N.A.	N.A.	N.A.			
754	1,369	633	909	0.056	2.4
1,117	4,051	927	1,996	0.123	5.3
579	681	2,605	1,331	0.082	3.6
666	83	460	405	0.025	1.1
367	911	824	706	0.044	1.9
378	583	1,323	777	0.048	2.1
	1-10 199 133 21 12 8 75 379 353 113 N.A. 754 1,117 579 666 367	Mean dischard 1-10 11-20 1397 133 164 21 179 12 1,005 8 245 75 298 379 97 353 1,547 113 65 65 N.A. N.A. 754 1,369 1,117 4,051 579 681 666 83 367 911 911 1 1 1 1 1 1	Mean discharge (Cusecs) 1-10 11-20 21-31 199 1,397 349 133 164 211 21 179 140 12 1,005 1,983 8 245 777 75 298 2,315 379 97 52 353 1,547 135 113 65 134 N.A. N.A. N.A. 754 1,369 633 1,117 4,051 927 579 681 2,605 666 83 460 367 911 824	Mean discharge (Cusecs)	Mean discharge (Cusecs)

^{*} Not considered for calculating the average.

River MINA (GH	(OD)	Site			Month	AUGUST	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1904-05	682	235	123	339	0.021	0.9	
05-06 ,	421	313	612	454	0.028	1.2	
1906-07	475	279	962	585	0.036	1.6	
07-08	1,385	3,319	655	1,750	0.108	4.7	
08-09	1,258	589	569	798	0.049	2.1	
09-10	1,100	93	110	4 24	0.026	1.1	
10-11	1,354	716	75 9	937	0.058	2.5	
1911-12	2,607	845	767	1,386	0.085	3.7	
12-13	2,297	841	224	1,092	0.067	2.9	
13-14						-	
9 Years' Average	1,287	803	531	863	0.053	2.3	
1914-15 15-16		80 10 3	पेन नीयन				
1916-17							
17-18	475	600	1,607	917	0.056	2.5	
18-19	455	545	512	504	0.031	1.3	
19-20	1,403	181	1,318	979	0.060	2.6	
20-21	759	168	28	309	0.019	0.8	
921-22	816	1,104	226	700	0.043	1.9	
2 2- 23	550	453	290	426	0.026	1.1	
23-24	1,761	1,286	573	1,186	0.073	3.2	
24-25	514	.79	4,214	1,687	0.104	4.5	
Years' Average	842	552	1,096	838	0.052	2.2	

River MINA (GHOD))	Site WA	DGAON		Month	AUGUST
Year -		Mean discharg	e (Cusecs)		Volume of the mo	
(June to May)	. 1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1946-47						
47-48	293	227	316	280	0.017	0.7
48-49	138	437	103	222	0.014	0.6
49-50	371	80		176	0.011	0.5
50-51	351	146	72	186	0.011	0.5
1951-52*	N.A.	1,048	460			
52-53	2,385	443	280	1,012	0.062	2.7
53-54	747	1,794	262	913	0.056	2.4
54-55 :	718	248	न्यन 88	342	0:021	0.9
55-56	702	865	1,133	908	0.056	2.4
1956-57*	N.A.	N.A.	N.A.			
57-58	1,151	1,432	1,042	1,203	0.074	3.2
58-59	833	849	1,166	956	0.059	2.6
59-60	884	313	1,762	1,011	0.062	2.7
60-61	760	5 26	417	563	0.035	1.5
13 Years' Average	778	614	560	648	0.040	1.7
29 Years' Average	953	656	699	767	0.047	2.0

^{*} Not considered for calculating the average.

River MINA (GHOD))	Site WADGAON				Month SEPTEMBER	
Year		Mean disch	(Volume of flow for the month			
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M. C	
		,					
1904-05	130	1,597	114	614	0.037	1.6	
05-06	248	203	124	192	0.011	0.5	
1906-07	683	463	341	496	0.030	1.3	
Q7-08 · · ·	114	37	25	58	0.003	0.2	
08-09	158	62.	108	109	0.006	0.3	
09-10	80	34	136	50	0.003	0.1	
10-11	360	99	120	193	0.011	0.5	
1911-12	800	80	35	305	0.018	0.8	
12-13	224	50	31	102	0.006	0.3	
13-14		477					
9 Years' Average	311	292	115	235	0.014	0.6	
1914-15		66.4	व नधन				
15-16 .							
1916-17							
17-18	573	2 28	751	<i>518</i>	0.031	1.3	
18-19	107	29	17	<i>51</i>	0.003	0.1	
19-20	345	23	633	333	0.020	0.9	
20-21	32	151	312	165	0.010	0.4	
921-22	226	1,641	441	769	0.046	2.0	
22-23	287	306	232	275	0.016	0.7	
23-24	320	950	970	747	0.044	1.9	
24-25	606	368	1,163	712	0.042	1.8	
8 Years' Average	312	462	565	446	0.026	1.1	

River MINA (GHOD)		Site WADGAON			Month SEPTEMBER		
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1- 10	11-20	21-30	Whole month	M. A. F.	T. M. C	
1946-47							
47-48	238	454	1,150	614	0.037	1.6	
48-49	122	34	116	91	0.005	0.2	
49-50	270	258	746	425	0.025	1.1	
50-51	622	181	103	302	0.018	0.8	
1951-52*	N.A.	N.A.	N.A.				
52-53	75	42	32	50	0.003	0.1	
53-54	263	54	44	120	0.007	0.3	
54-55	1,634	548	484	889	0.053	2.3	
55-66	1,469	109	377	652	0.039	1.7	
1956-57*	N.A.	N.A.	N.A.				
57- 58	292	1,076	152	507	0.030	1.3	
58-59	1,182	946	339	822	0.049	2.1	
59-60	1,318	381	161	620	0.037	1.6	
60-61	126	85	224	155	0.009	0.4	
12 Years' Average	634	347	327	437	0.026	1,1	
29 Years' Average	445	362	327	377	0.022	1.0	

^{*} Not considered for calculating the average.

River MINA (GH	O D)	Site WA	DGAON		Month	OCTOBER	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	<i>1-10</i> .	11-20	2 1-31	Whole month	M. A. F.	T. M. C	
	 				•		
1904-05	32	204	13	81	0.005	0.2	
05-06	50	19	52	41	0.003	0.1	
1906-07	114	32	3	48	0.003	0.1	
07-08	18	15	11	14	0.001	Nil	
08-09	23	12:	29	22	0.001	0.1	
09-10	54	12	11	30	0.002	0.1	
10-11	1,987	91	44	686	0.042	1.8	
1911-12	28	17	12	18	0.001	Nil	
12-13	496	208	40	241	0.015	0.6	
13-14							
9 Years' Average	311	68	24	131	0.008	0.3	
1914-15							
15-16							
1916-17							
17-18	333	91	249	225	0.014	0.6	
18-19	7	3	3	4	Nil	Nil	
19-20	201	11	21	76	0.005	0.2	
20-21	25	49	40	38	0.002	0.1	
1921-22	115	40	30	60	0.004	0.2	
22-23	44	72	11	4I	0.003	0.1	
23-24	(497)	24	20	175	0.031	0.5	
24-25	280	139	76	162	0.010	0.4	
8 Years' Average	188	54	56	98	0.009	0.3	

River MINA (GHOD)	Site WAD	GAON		Month C	CTOBER
Year	$M\epsilon$	ean discharge	(Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1946-47						
47-48	537	297	25	278	0.017	0.7
48-49 . , .	88	41	26	51	0.003	0.1
49-50	109	132	82	108	0.007	0.3
50-51	111	54	17	59	0.004	0.2
1951-52*	75	160	31	87	0.005	0.2
52-53	39	24	16	26	0.002	0.1
53-54	101	37	23	53	0.003	0.1
54-55	84	28	25	45	0.003	0.1
5 5 -56	490	नन्त्रम्ब 111	न्यानी 77	221	0.014	0.6
1956-57*	N.A.	N.A.	N.A.			
57-58	140	25	117	95	0.006	0.3
58-59	72	36	25	44	0.003	0.1
59-60	215	121	57	127	0.008	0.3
60-61	84	74	31	62	0.004	0.2
12 Years' Average	172	82	43	97	0.006	0.3
29 Years' Average	220	70	41	108	0.007	0.3

^{*} Not considered for calculating the average.

River MINA (GHOD))	Site 🔻	VADGAON		Month NO	VEMBER		
Year		Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C		
1904-05	3	3	2	3	Nil	Nil		
05-06	4	4	4	4	,,	,,		
1906-07	3	2	2	2	Nil	Nil		
07-08	9	8	6	8	,,	,,		
08-09	19	_11 · **	8	13	0.001	,,		
09-10	10	₹ 7 :	6 1	8	Nil	,,		
10-11	28	56	19	34	0.002	0.1		
1911-12	9	7	263	93	0.006	0.2		
12-13	13	11	118	47	0.003	0.1		
13-14		in the same	144					
9 Years' Average	11	12	48	24	0.001	Nil		
1914-15		गरावे	व समर्	-				
15-16		1 44	4 4 4					
1916-17 ,								
17-18	55	30	26	37	0.002	0.1		
18-19	2	2	1	2	Nil	Nil		
19-20	32	24	19	27	0.002	0.1		
20-21	3	3	2	3	Nil	Nil		
1921-22	15	9	7	10	0.001	Nil		
22-23	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)		
23-24	10	10	8	9	0.001	Nil		
24-25	25	17	16	20	0.001	0.1		
8 Years' Average	18	12	10	- <u>- 14</u>	0.001	Nil		

River MINA (GHOD)	Site W .	ADGAON		Month NOVEMBER		
Year -	<i>A</i>	Mean dischar	ge (Cusecs)	1	Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	
1946-47							
47-48	22	19	18	20	0.001	0.1	
48-49	34	25	178	79	0.005	0.2	
49-50	30	22	17	23	0.001	0.1	
50-51	13	10	9	11	0.001	Nil	
1951-52*	16	12	12	13	0.001	Nil	
52-53	12	9	8	10	0.001	,,	
53-54	12	9	8	10	0.001	**	
54-55	19	614	11	15	0.001	5,	
55-56	30	15	व ज्यान्11	19	0.001	,,	
1956-57*	N.A.	N.A.	N.A.				
57-58 ,	20	42	16	26	0.002	0.1	
58-59	12	10	13	12	0.001	Nil	
59-60	103	218	34	118	0.007	0.3	
60-61	22	18	17	19	0.001	Nil	
12 Years' Average	27	34	28	30	0.002	0.1	
29 Years' Average	20	21	29	24	0.001	0.1	

^{*}Not considered for calculating the average.

1.		Mean discha	rge (Cusecs)	 	Volume of flow for		
Year (June to May)	1-10 11-20		21-31	Whole	the month		
			month	M. A. F.	T.M.C		
1904-05	2	2	2	2	Nil	Nil	
05-06	4	4	3	3	,,	,,	
1906-07	2	2	3	2	Nil	Nil	
07-08	6	5	4	5	,,	,,	
08-09	6	6 5	16	10	0.001	,,	
09-10	5	5	4)	4	Nil	,,	
10-11	13	10	7	10	0.001	,,	
1911-12	31	16	11	19	0.601	0.1	
12-13	16	13	12	14	0.001	Nil	
13-14		(F) (S)					
9 Years' Average	9	7.7	E They	8	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	
1914-15		सरम	वि नपर्न				
15-16		1.1	11171				
1916-17							
17-18	16	12	9	12	0.001	Nil	
18-19	Nil	Nil	Nil	Nil	Nil	,,	
19-20	18	14	13	14	0.001	,,	
20-21	2	2	2	3	Nil	**	
1921-22	5	4	4	4	Nil	Nil	
22- 23	13	10	8	10	0.001	,,	
23-24	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
24-25	14	14	13	14	0.001	Nil	
8 Years' Average	8	7	6	7	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	

River MINA (GHOE))	Site WAI	OGAON		Month DE	CEMBER	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C	
						· · · · · · · · · · · · · · · · · · ·	
1946-47 ,							
47-18	13	13	12	13	0.001	Nil	
48-49	72	37	20	43	0.003	0.1	
49-50 . , .	17	12	10	13	0.001	Nil	
50-51	8	7	6	8	Nil	ĵ,	
1951-52*	19	17	14	17	0.001	Nil	
52-53	6	6	5	6	Nil	,,	
53-54 · · ·	7	6	6	6	,,	,,;	
54-55	10	10	8	9	0.001	9'9	
55-56	9	8	세계 원하기 7	8	Nil	13	
1956-57*	32	23	22	26	0.002	0.1	
57-58	12	11	10	11	0.001	Ni1	
58-59	10	8	7	8	Nil	,,	
59-60	26	21	18	21	0.001	0.1	
60-61	14	12	11	13	0.001	Nil	
12 Years' Average	17	13	10	13	0.001	Nil	
29 Years' Average	12	9	8	10	0.001	Nil	

^{*} Not considered for calculating the average.

River MINA (GHOD)	Site WA	ADGAON		Month	JANUARY
Year -		Mean dischar	ge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	
		<u></u>			Property and the second se	
1946-47*	38	38	34	37	0.002	0.1
47-48	10	12	16	13	0.001	Nil
48-49	13	13	12	12	0.001	**
49-50 , , ,	9	8	, ⁷ , 7	8	Nil	31
50-51	(8)	(8)	(8)	(8)	(Nil)	(Nil)
1951-52*	N.A.	N.A.	N.A.			
52-53	5	5	5	5	Nil	Nil
53-54	5	6	5	5	,,	,,
54-55	7	.7 ज्ञान	नयन 6	7	,,	3,
55-56	6	6	5	6	,,	,,
1956-57*	N.A.	N.A.	N.A.			
57-58	7	6	6	6	Nil	Nil
58-59	6	5	5	5	,,	* 1
59-60	14	12	11	12	0.001	
60-61	8	6	5	6	Nil	,,
12 Years' Average	8	8	8	8	Nil	Nil

^{*} Not considered for calculating the average.

River MINA (GHO	D)	Site	WADGAON		Month FE	BRUARY	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.	
1946-47*	31	31	27	30	0.001	0.1	
47-48	13	12	12	12	0.001	Nil	
48-49	12	<u>1</u> 1	10	11	0.001	,,	
49-50	7	5	4	5	Nil	,,	
50-51	(6)	(6)	(5)	(6)	(Nil)	(Nil)	
1951-52*	в	5	5	5	Nil	Nil	
52-53	5	4	4	4	**	,,	
53-54	4	2	l	3	,,	**	
54-55	4	3		3	79	,,	
55-56	4	4	2	4	,,	72	
1956-57*	N.A.	N.A.	N.A.				
57-58	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(NiI)	
58-59	5		4	4	Nil	Nil	
59- 80	10	8	7	8	**	,,	
60-61	3	3	2	3	,,	*>	
12 Years' Average	6	5	4	5	Nil	Nil	

^{*} Not considered for calculating the average.

River MI	ΙA	(GHOD)	Site W A	DGAON		Month	MARCH
Year			<u>A</u>	Iean discharg	e (Cusecs))	Volume of flow for the month	
(June to 1	I ay	1)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1946-47* .		•	26	26	26	26	0.002	0.1
47-48 .		•	6	7	6	7	Nil	Nil
48-49 .			7	6	5.	6	2)	**
49-50 .		٠	2	2	2	2	>1	,,
50-51 .	•	•	2	2	2	2	"	73
				8				
1951-52* .			5	4	4	4	Nil	Nil
52-53 .	•.		4	3	3	3	> 2	1>
53-54 .	٠	•	1	2	5	3	3)	,,
54-55 .		•	3	73.TI	न्यनं 2	3	**	**
5 5-56 .	•	•	2	2	2	2	>>	29
1956-57* .			N.A.	N.A.	N.A.			
57- 58 .		•	4	4	3	4	Nil	Nil
58-59			3	2	2	2		
59-60 .			6	5	5	5	,,	,,
60-61 .	•	•	2	2	1	2	,,	,,
12 Years'	Äve	rage	4	3	3	3	Nil	Nil

^{*} Not considered for calculating the average.

River MINA (GH	O D)	Site	WADGAON		Month	APRIL
Year		Mean disch	arge (Cusecs)	1	Volume of the more	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T.M.C.

12 Years' Average	3	3	2	3	Nil	Nil
60-61	2	1	1	1	**	,,
59-60	4	3	8	4	,,	,,
58-59	2	2	2	2	**	,,
57-5 8	2	7	7	6	Nil	Nil
1956-57*	N.A.	N.A.	N.A.			
55-56	2	2	2	2	**	,,
54- 5 5	2	न्1प्रम	1 11 5	3	,,	**
53-54	1	Nil	Nil	Nil	**	19
52-53	2	2	2	2	,,	,,
1951-52*	4	4	3	4	Nil	Nil
50-51	2	2	2	2	**	**
49-50	2	2	2	2	,,	,,
48-49	7	6	-2	5	,,	, 29
47-48	4	3	2	3	Nil	Nil
1946-47*	28	28	21	26	0.002	0.1

^{*} Not considered for calculating the average.

River MINA (GHO)	D)	Site WA	ADGAON		Mon	
Year -		Mean dischar	ge (Cusecs)		Volume o	f flow for
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1946-47*	10	10	9	10	0.001	Nil
47-48	3	3	2	2	Nii	,,
48-49	2	2	2	2	"	,,
49-50	2	2	5	3	,,	**
50-51	2	2	9	4	"	**
1951-52*	1	1) \	1	1	Nil	Nil
52-53	1	1150	1	1	,,	,,
53-54	Nil	Nil	Nil	Nil	**	••
54-55	2	ने प्रमे	न नयन 1	1	**	,,
55-56	2	1	11	5	,,	**
1956-57*	N.A.	N.A.	N.A.			
57-58	4	2	49	19	0.001	0.1
58-59	2	1	1	1	NiI	Nil
59-60	3	7	10.	7	,,	,,
60-61	1	11	11	7	**	"
12 Years' Average		3	8	4	Nil	Nil

^{*} Not considered for calculating the average.

VOLUME OF ANNUAL FLOW SERIAL No. 36

River KUKDI (GHOD)

Site EDGAON

Year	Volume of flow					
100	M. A. F.	T. M. C.				
1906	0.257	11.				
07	0.666	29.0				
08	0.567	24.7				
09	0.558	24.3				
10	0.608	26.5				
1911	0.441	19,2				
12	0.512	22.3				
13	1.113	48,5*				
14 📆	0.962	41.9				
15	0.611	26.6				
1916	0.937	40.8				
17	0.693	30.2				
18	0.271	11.8				
19	0.716	31.2				
20	0.315	13.7				
1921	0.461	20.1				
1.1.22 to 30.	4.22† Nil	Nil				
1.5.22 to 30.	4,23 0,539	23.5				
1923-24	0.519	22,6				
24-25	0.700	30.5				
25-26	0.420	18.3				
20 Years' Average	0.592	25.8				

^{*} Doubtful

[†] Not considered for calculating the average.

SERIAL No. 37

River HANGA (GHOD) Site VISAPUR

Month JUNE

`		Mean discha	rge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C.

1948-49					z_An _ '	La.			
49-50									
50-51	•	·	٠	77	16	5	<i>33</i>	0.002	0.1
1951-52				112	59	136	102	0.006	0.3
52-53		•		191	13	1	68	0.004	0.2
53-54*				N.A.	N.A.	N.A.			
54-55	•			39	25	न्यने 9	24	0.001	0.1.
55-56	•	٠		6	2	31	13	0.001	Nil
1956-57			٠	Nil	15	60	25	0.001	0.1
57-58				2	15	66	28	0.002	0.1
58-59		٠		3	3	64	23	0.001	0.1
59-60			•	Nil	5	6	4	Nil	Nil
60-61	•	•		101	81	8	63	0.004	0.2
10 Years	' A	ve	rag	e 53	23	39	38	0.002	0.1

^{*} Not considered for calculating the average.

SERIAL No. 37

River HANGA (GHOD)

Site VISAPUR

Mean discharge (Cusecs)

Year
(June to May)

1-10

11-20

21-31

Whole month

M. A. F. | T. M. C.

10 Years'	A	ve:	rage	30	43	20	31	0.002	0.1
60-61	٠	٠	•	13	3	28	<u>15</u>	0.001	,,
59-60	•	•	•	17	7	4	9	0.001	Nil
58-59				89	123	4	70	0.004	0.2
57-58	•			14	3	Nil	6	Nil	Nil
1956-57		•		28	40	37	35	0.002	0.1
55-56			•	9	6	15	.10	0.001	Nil
54 -55				5	संदूराम्ब	34	33	0.002	0.1
53-54*	•			N.A.	N.A.	N.A.			
52-53			•	9	40	9	19	0.001	0.1
1951-52	•		•	102	189	20	101	0.006	0.3
50-51	•	•	•	10	14	2	9	0.001	Nil
49-50		•	•		· . Ý h				
1948-49		٠	•		i.				

^{*} Not considered for calculating the average.

River HANGA (G.	HOD)	Site	VISAPUR		Month	AUGUST	
		Mean discha	rge (Cusecs)		Volume o		
Year	1			Whole	the month		
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.	

10 Years' Average	51	22	221	102	0.006	0.3
60-61	8	1	6	5	Nil	**
59-60	8	2	25	12	0.001	Nil
58-59	187	83	1,777	718	0.044	1.9
57-58	150	9	37	65	0.004	0.2
1956-57	110	74	291	163	0.010	0.4
55-56	12	9	9	10	0.001	Nil
54-55	8	10	44	21	0.001	0.1
53-54*	N.A.	N.A.	N.A.			
52-53	6	8	4	6	,,	**
1951-52	10	6-	3	6	Nil	Nil
50-51	8	13	15	12	0.001	Nil
49-50		Ŷ.				
1948-49		2	1			

^{*} Not considered for calculating the average.

River HANGA (G	HOD)	Site	VISAPUR		Month	SEPTEMBER
Year (June to May)	1-10	Meun discha 11:20	rge (Cusecs)	Whole		ime of flow for the month
(0 0000 10 112 119)	1-10	111.50	21-00	month	M. A	. $F. \mid T. M. C.$

10 Years	' A	νe	rε	ige	142	104	322	189	0.011	0.5
60-61	٠	•		•	147	115	653	305	0.018	0.8
59-60				•	12	7	38	19	0.001	Nil
58-5 9	•	•		•	646	51	46	2 4 8	0.015	0.6
57-58				•	14	21	17	17	0.001	Nil
1956-57	••			•	99	106	411	205	0.012	0.5
5 5-56	•	٠		•	9	95	713	272	0.016	0.7
54 -5 5					66	20	39	42	0.002	0.1
53-54*	•	•	ì	ı	N.A.	N.A.	N.A.			
52-53	•		,	•	Nil	8	109	39	0.002	0.1
1951-52				•	135	107	17	86	0.005	0.2
50-51	•	•			288	5(8	1,181	659	0.039	1.7
49-50										
1948-49						2, hn 1.	al con			

^{*} Not considered for calculating the average.

River HANGA (C	HOD)	Site V	ISAPUR		Month (OCTOBER
Year		Mean disch	arge (Cusecs)	Whole	$Volume\ o$ the m	of flow for onth
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.

194~-49		7-50 1.	Nov			
49-50						
50-51	16	18	Nil	11	0.001	Nil
1951-52	245	122	41	133	0.608	0.4
52-53	30	15.7	2	13	0.001	Nil
53-54**	N.A.	N.A.	N.A.			
54-55	22	25	नयन्।1	19	0.001	0.1
55-56	Nil	Nil	Nil	Nil	Nil	Nil
1956-57	495	97	34	203	0.012	0.5
57-58	15	24	111	52	0.003	0.1
58-59	46	74	14	44	0.003	0.1
59-60	100	41	12	<i>50</i>	0.003	0.1
60-61	231	84	8	104	0.006	0.3
10 Years' Average	120	49	23	63	0.004	0.2

^{*}Not considered for calculating the average.

SERIAL No. 37

River HANGA (GHOD)
Site VISAPUR

Mean discharge (Cusecs)

Year
(June to May)

1-10

11-20

21-30

Whole month
M.A.F. T M.C.

10 Years'	Average	20	13	6	13	0.001	Nil :
60-61 .		24	17	9	17	0.001	Nil
59 -6 0 .		141	72	17	77.	0.005	0.2
58-59 .		Nil	Nil	Nil	Nil	Nil	Nil
5 7-5 8 .		35	45	35	38	0.002	0.1
1956-57		Nil	Nil	Nil	Nil	Nil	Nil
55-5 6 .		19	25	**	"	7.9	**
54- 55	·	Nil	Nil	Nil	Nil	Nil	Nil
5 3-54* .	• ,•	N.A.	N.A.	N.A.			
52-53 .		.99		· ·	**	,,	,,
1951-52 .		Nil	Nil -	Nil	Nil	Nil	NiI
50-51 .		Nil	Nil	Nil	Nil	Nil	Nil
49-50							
1948-49 .			1.50	News .			

^{*} Not considered for calculating the average.

River HANGA (GHOD)		Site	VISAPUR		Month DECEMBER		
Year		Mean dischar	rge (Cusecs)		Volume of		
(June to May)	1-10	11 -20	21-31	Whole month	M. A. F.	T. M. C.	

		i.	~			
1948-49			8			
49-50*	45	52	60	52	0.003	0.1
50-51	38	44	5	29	0.002	0.1
1951-52	25	22	9	19	0.001	0.1
52-53	20	20	19	20	0.001	0.1
53-54*	15	स्परिवंद स्था	21	16	0.001	Nil
54-55	6	20	.14	1 3.	0.001	"
55-56	10	20	18	16	0.001	**
1956-57	35	24	13	24	0.001	0.1
57-58	8	6	15	10	0.001	Nil
58-59	11	Nil	10	7	Nil	>>
59-60	16	17	13	15	0.001	**
60-61	17	13	22	17	0.001	,,
10 Years' Average	19	19	14	17	0.001	Nil

^{*} Not considered for calculating the average.

SERIAL No. 37

River HANGA (GHOD)

Site VISAPUR

Meun discharge (Cusees)

Year
(June to May)

1-10

11-20

21-31

Whole month
M. A. F. T. M. C.

10 Years' Average	14	10	10	11	0.001	Nil
60-61	10	9	10	10	0.001	,,
59-60	13	9	13	12	0.001	,,
58-5 9	12	8	7	9	0.001	**
57-58	7	3	8	6	Nil	Nil
1956-57	16	21	21	19	0.001	0.1
55-56	14	6	8	9	0.001	,,
54-55	14	11	13	13	0.001	Nil
53-54*	21	17 सन्दर्भन	19	19	0.001	0.1
52-53	16	(Nil)	(Nil)	5	Nil	**
1951-52	18	9.	10	12	0.001	Nil
50-51	16	21	7	15	0.001	
49-50*	20	1	Nil	7	Nil	Nil
1948-49*	19	8	31	19	0.001	0.1
	. •					

^{*}Not considered for calculating the average

River HANGA (G	HOD)	Site	VISAPUR		Month	FEBRUARY
77		Mean disc	charge (Cusecs)			ne of flow for
Year (June to May)	1-10	11-20	21-28/29	Whole month	M.A.	1

		8π ^{5,71} 1.	3			
1948-49*	28	16	14	19	0.001	Nil
49-50*	1	26	28	18	0.001	**
50-51	17	17	23	19	0.001	,,
1951-52	14	21	61	32	0.002	0.1
52-53	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54*	15	11 744	नयतं 8	11	0.001	Nil
54-55	6	2	8.	5	Nil	,,
55-56	6	14	3	8	,,	**
1956-57	13	15	19	16	0.001	Nil
57 -5 8	3	3	2	3	Nil	22
5 8-59	8	8	4	7	**	99
59-60	10	7	2	6	99	,,
60-61	116	22	28	57	0.003	0.1
10 Years' Average	19	11	15	15	0.001	Nil

^{*} Not considered for calculating the average:

SERIAL No 37

River HANGA (GHOD) Site VISAPUR

Month MARCH

Year (June to May) Mean discharge (Cusecs) Volume of j the most the most month M. A. F.						
	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c c }\hline M. A. F. \end{array}$	T. M. C.

1948-49* .					8	9-	24	13	0.001	Nil
49-50* .		٠,			20	15	\mathbf{H}	. 15	0.001	3 3
50-51	,		•		11	13	n	12	0.001	21
1951-52 .					8	17	33	19	0.001	0.1
52-53 .		•	•		(Ņil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54*		٠.	. •		15	20	15	17	0.001	Nil
54-55 .	,		•		27	24	22	24	0.001	0.1
55- 56 .		•	•		5	21	8	11	0.001	Nil
1956-57	•		•		10	7	14	10	0.001	Nil
57-58			•		6	8	2	5	Nil	**
58-5 9	•				7	7	9	8	,,	22
59-60	•				8	8	2	6	**	> 1
60-61	•	٠	٠		7	5	5	6	>>	,,
10 Years'	A	ve	Ta	ge	9	11	11	10	0.001	Nil

^{*} Not considered for calculating the average.

River HANGA (C	GHOD)	Site	VISAPUR		Month APRIL
Year (June to May)		Mean discho	inge (Cusecs)	7277 7	Volume of flow for the month
$(June\ to\ May)$	1-10	11-20	21-30	Whole month	M. A. F. T. M. C.

verage	4	6	5	Nil	Nil
	3 7	7	7	>;	• • • • • • • • • • • • • • • • • • • •
• •	6	2	3	**	,,,
	5 Nil	1	2	**	97
	9	1	4	**	**
	Nil	1	1	Nil	Nil
· 6	5 5	10	7	99	SS
		व्यव स्थाप	7	Nil	••
14		13	14	0.001	Nil
(Nil) (Nil)	(Nil)	(Nil)	(Nil)	(Nil)
28	10	14	13	0.001	Nil
(2	13	8	Nil	**
	3 20	10	11	0.001	,,
16	2.	2	7	Nil	Nil
		E-	G S S S S S S S S S S S S S S S S S S S	& San	G 33

^{*} Not considered for calculating the average.

River HANGA (G)	HOD)	Site	VISAPUR		Mon	th MAY
Year		Mean disch	arge (Cusecs)	T77.7.	Volume of the mo	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.

		X_51	2			
1948-49*	7	22	25	8	0.001	Nil
49-50*	13	13	10	12	0.001	**
50-51	18	16	111	15	0.001	13
1951-52	11	9	8	9	0.001	Nil
52-53	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53 54*	15	15	75	36	0.002	0.1
54-55	15	14	39	23	0.001	0.1
55-56	53	3	39	32	0.002	0.1
1956-57	8	6	7	7	Nil	Nil
57-58	3	2	2	2	**	**
58-59	Nil	Nil	9	3	,,	,,
59-60	5	75	7	28	0.002	0.1
60-61	16	69	9	31	0.002	0.1
10 Years Average	13	19	13	15	0.001	Nil

^{*} Not considered for calculating the average.

VOLUME OF ANNUAL FLOW

SERIAL No. 38

ver NIRA (J	BHIMA)	Site NATA				
Y_{ear}	Volume	Volume of flow				
	M. A. F.	T. M. C.				
1906	0.282	12.3				
07	0.471	20.5				
08	0.468	20.4				
09	0.432	18.8				
10	0.597	26.0				
1911	0.230	10.0				
12	0.358_{-}	15.6				
13	0.673	29,3				
14	0.592	25,8				
15	0.331	14.4				
1916	0.537	23.4				
17	0.556	24.2				
18	0.195	8.5				
19	0.732	31.9†				
20	0.503	21.9				
1921	0.489	21,3				
1.1.22 to 30.4	.22* Nil	Nil				
1922-23	0.503†	21.9†				
23-24	0.514	22.4				
24-25	0.418	18.2				
25-26	0.349	15.2				
20 Years' Average	0.462	20.1				

^{*} Not considered for calculating the average.

† Doubtful

NOTE:—The figures for the years 1906 to 1919 are the volumes of flow for seven months (June to December) only. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

SERIAL No. 39

River NIRA Month JUNE Site VIR Mean discharge (Cusecs) Volume of flow for the month Year Whole 21-30 (June to May) 1-10 11-20 M. A. F.T. M. C. month N.A. N.A. 1942-43* N.A. 43-44 597 1,377 1,262 1,079 0.064 2.8 44-45 (795)4,252 1,789 2,279 0.1365.9 932 1,748 1,169 0.0703.0 45-46 . 828 878 2.3 1,680 0.0521946-47 566 387 902 953 0.057 2.5 47-48 1,028 928 847 587 932 789 0.047 2.0 48-49 1,030 2.7 49.50 1,031 1,199 859 0.061616 1.6 0.037 611 50-51 567 671 1,279 0.0662.8 795 1,223 1,099 8 Years' Average 1,028 2.7 1,901 0.061 618 565 1951-52 0.0291.3 494 387 451 52-53 645 8.0 3,091 0.1847,7281,037 508 53-54 740 583 0.0351.5 517 494 54 - 551,196 0.0713.1 55-56 926 1,170 1,492 1,365 3.5 0.081772 905 2,418 1956-57 (0.081)(3.5)(751)(642)(2,675)(1,356)57-58 0.0572.5 1,470 961679 733 58-59 1,249 0.0743.2 (2,675)637 436 59-60 5,265 2,236 0.1335.8 929 515 60-61 3,5 0.0812,675 1,356 64210 Years' Average 751 3.2

18 Years' Average

771

2,030

1,242

925

0.074

^{*} Not considered for calculating the average.

River NIRA		S	ite VIR		Mor	eth JULY
Year -		Mean dische	irge (Cusecs)		Volume of the mo	of flow for
(June to May)	1-10	. 11-20	21-31	Whole month	M. A. F.	T. M. C
1942-43*	16,801	6,414	21,286	15,042	0.925	40.3
43-44	11,325	22,269	16,079	16,542	1.017	44.3
44-45	3,106	24,475	13,790	13,790	0.848	36.9
45-46	15,178	11,034	3,286	9,621	0.592	25 .8
1946-47	7,009	2,282	25,543	12,061	0.742	32.3
47-48	1,094	11,764	8,128	7,032	0.432	18.8
48-49	1,262	1,895	7,737	3,764	0.231	10.1
49-50	854	8,489	4,955	4,772	0.293	12.8
50-51	1,070	8,799	11,244	7,173	0.441	19.2
8 Years' Average	5,112	11,376	11,345	9,344	0.575	25.0
1951-52	1,562	1,403	6,967	3,429	0.211	9.2
52-53	1,021	6,029	17,284	8,407	0.517	22.5
53-54	11,486	5,443	1,854	6,119	0.376	16.4
54-55	12,006	27,957	5,019	14,672	0.902	39 .3
55-5 6	5,743	4,900	3,434	4,652	0.286	12.5
1956-57	20,371	18,093	10,009	15,959	0.981	42.7
57 -5 8	2,053	10,946	3,716	5,512	0.339	14.8
58-59	8,028	26,575	6,554	13,4 88	0.829	36.1
59- 60	18,011	11,707	26,489	18,986	1.167	50.9
60-61	22,287	2,646	11,667	12,183	0.749	32.6
10 Years' Average	10,257	11,570	9,299	10,341	0.636	27.7
18 Years' Average	7,970	11,484	10,209	9,898	0.609	26.5

^{*} Not considered for calculating the average.

River NIRA		Site V	IR		Month	AUGUST
Year	(2	Mean discharg	je (Cusécs)		Volume of the mos	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1942-43*	22,338	9,407	2,625	11,172	0.687	29.9
43-44	14,594	4,363	2,156	6,881	0.423	18.4
44-45	14,180	9,587	11,925	11,899	0.732	31.9
45-46	1,410	23,155	8,642	10,978	0.675	29.4
1946-47	29,900	16,678	12,757	19,561	1.203	52.4
47-48	2,221	4,479	16,317	7,951	0.489	21.3
48-49	5,781	13,486	4,315	7,746	0.476	20.7
49-50	17,778	6,440	2,790	8,802	0.541	23.6
50-51 '	6,281	3,960	955	3,643	0 224	9.8
8 Years' Average	11,518	10,268	7,482	9,683	0,595	25,9
1951-52	9,503	4,223	2,434	5,292	0.325	14.2
52-53	12,785	11,199	5,495	9,687	0.596	25.9
53-54	19,468	25,008	6,433	16,630	1.023	44.5
54 -55	30,539	18,215	1,879	16,394	1.008	43.9
55-56	5,789	5,580	6,271	5,893	0.362	15.8
1956-57	27,970	1,155	3,598	10,672	0.656	28.6
57-58	8,428	5,190	8,637	7, 4 58	0.459	20.0
58-59	4,783	4,462	8,902	6,141	0.378	16.4
59-60	16,702	5,341	11,666	11,250	0.692	30.1
60-61	18,506	17,175	9,134	14,751	0.907	39.5
10 Years' Average	15,447	9,755	6,445	10,417	0.641	27.9
18 Years' Average	13,701	9,983	6,906	10,090	0.620	27.0

^{*} Not considered for calculating the average.

SERIAL No. 39

River NIRA Site VIR Month **SEPTEMBER** Mean discharge (Cusecs) Volume of flow for Yearthe month Whole(June to May) 1-10 11-20 21-30 month T. M. C.M.A.F.9,150 1,725 1942-43* . 1,830 4,235 0.25211.0 3,015 3,539 43-44 2,961 3,172 0.1898.2 1,829 1,465 44-45 . 1,289 1,528 0.091 4.0 2,336 2,389 2.0272,251 45-46 . 0.1345.8 3,468 1.735 5,744 3,6490.2171946-47 9.5 13,213 3,170 12,589 9,657 0.57525.0 47-48 1,764 1,291 9,068 4.041 0.24048-49 . 10.5 2,395 5,660 3,310 3,788 49-50 0.225 9.8 4,112 3,830 3,904 3,94950-51 0.23510.2 2,693 4,904 4,004 4,415 0.23810.4 8 Years' Average 1,314 1,217 1,048 1,193 0.0713.1 1951-521,679 1,205 1,5521,772 0.0924.0 52-53 4,106 1,444 2,853 3 010 0.1707.4 53-54 4,602 7,183 13,803 3,143 0.42718.6 54 - 552,285 3,795 7,858 17,497 0.46820.4 55-56 2,472 3,997 3,169 3,039 8.2 0.1891956-57 2,022 3,101 1,265 2,129 5.5 0.12757-58 6,157 1,725 4,952 0.295 12.8 6,974 58-59 12,037 31.2 25,3866,217 4,509 0.71659-60 6,881 9,260 0.55124.0 7,312 3,587 60-61 3,542 3,901 5,219 0.31113.5 8,213 10 Years' Average 3,165 4,347 4,679 0.27812.1 6,525

18 Years' Average

^{*} Not considered for calculating the average.

SERIAL No. 39

River NIRA

Site VIR

Month OCTOBER

Year		Mean dischar	ge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1942-43*	1,768	1,266	1,178	1,397	0.086	3.7	
43-44	2,858	4,982	1,610	3,100	0.191	8.3	
44-45	1,285	1,009	1,260	1,187	0.073	3.2	
45-46	1,734	1,539	1,274	1,508	0.093	4.0	
1946-47	2,313	1,420	1,735	1,820	0,112	4.9	
47-48	7,657	1,163	1,546	3,394	0.209	9.1	
48-49	7,659	551	1,092	3,036	0.187	8.1	
49-50	1,927	1,077	Nil	969	0.060	2.6	
50-51	3,377	1,144	1,142	1,864	0.115	5.0	
8 Years' Average	3,601	1,611	1,207	2,110	0.130	5.7	
1951-52	2,366	988	733	1,342	0.083	3.6	
52-53 · · ·	1,111	735	1,218	1,028	0.063	2.8	
53-54	2,203	1,486	388	1,328	0:082	3.6	
54-55	1,543	1,523	리 리디크 ₁₃₄	1,037	0.064	2.8	
55-56	5,555	1,480	4,998	4,041	0 248	10.8	
1956-57	10,455	11,107	1,152	7,364	0.453	19.7	
57-58	1,259	1,315	4,114	2,290	0.141	6.1	
58-59	1,382	831	997	1,068	0.066	2.9	
59-60	2,411	1,688	1,25 5	1,768	0.109	4.7	
60-61	3,505	1,573	1,601	2,206	0.136	5.9	
10 Years' Average	3,179	2,273	1,659	2,347	0.144	6.	
18 Years' Average	3,367	1,978	1,458	2,242	0.138	6.	

^{*} Not considered for calculating the average.

SERIAL No. 39

River NIRA

Site VIR

Month NOVEMBER

		Mean dischar	ye (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-30	$Whole \\ month$	M. A. F.	T. M. C
1942-43*	1,118	1,630	N.A.			
43-44	1,097	1,512	1,510	1,373	0.082	3.6
44 -4 5	816	1,267	1,582	1,222	0.073	3.2
45-46	1,502	1,825	1,744	1, 6 90	0.101	4.4
1946-47	1,487	566	977	1,010	0.060	2.6
47-48	1,178	1,623	-1,595	1,465	0.087	3.8
48-49	884	841	380	702	0.042	1.8
49-50	1,191	1,502	1,616	1,436	0.085	3.7
5 0-51	1,716	1,708	1,711	1,712	0.102	4.4
8 Years' Average	1,234	1,356	1,389	1,326	0.079	3.4
1951-52	1,439	1,531	1,241	1,403	0.083	3.6
52-53	1,877	1,789	1,249	1,638	0.097	4.2
53-54	412	1,963	2,028	1,468	0.087	3.8
54-55	1,762	1,718	1,181	1,554	0.092	4.0
55-56	589	1.434	1 776	1,266	0.075	3.3
1956-57	4,857	1,898	2,044	2,933	0.175	7.6
57- 58	688	1,097	644	810	0.048	2.1
58-59	1,600	1,798	1,322	1,573	0.094	4.1
59-60	1,204	1,026	1,410	1,213	0.072	3.1
60-61	958	1,141	443	847	0.050	2.2
10 Years' Average	1,539	1,540	1,334	1,470	0.087	3.8
18 Years' Average	1,403	1,458	1 358	1,406	0 084	3.6

^{*} Not considered for calculating the average.

River NIRA		Site	VIR		Month DI	ECEMBER
Year		Mean discha	rge (Cusecs)	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	
1942-43*	N.A.	N.A.	N.A.			
43-44	1,563	1,512	1,291	1,450	0.089	3.9
44-45	1,843	1,755	974	1,506	0.093	4.0
45-46	1,517	1,400	1,485	1,468	0.090	3.9
1946-47	1,139	1,370	1,194	1,233	0.076	3.3
47-48	1,529	1,078	1,430	1,348	0.083	3.6
48-49	384	1,441	1,599	1,156	0.071	3.1
49-50 . , .	1,597	1,630	1,285	1,497	0.092	4.0
50-51	1,293	1,258	1,235	1,261	0.078	3.4
8 Years' Average	1,358	1,430	1,312	1,365	0.084	3.7
1951-52	1,104	980	1,558	1,225	0.075	3.3
52-53 · · ·	2,905	1,727	1,182	1,914	0.118	5.1
53-54 · · ·	1,742	1,362	1,993	1,708	0.105	4.6
54-55	988	1,652	1,178	1,270	0.078	3.4
55-56	1,235	1,645	1,583	1,491	0.092	4.0
1956-57 · · · ›	913	1,559	1,680	1,394	0.086	3.7
57-58 · · ·	1,765	1,926	1,500	1,723	0.106	4.6
58-59 · · ·	833	1,059	1,552	1,161	0.071	3.1
59-60	1,365	1,828	1,385	1,521	0.094	4.1
60-61	1,758	1,661	1,084	1,489	0.092	4.0
10 Years' Average	1,461	1,540	1,470	1,490	0.092	4.0
18 Years' Average	1,415	1,491	1,399	1,434	0.088	3.8

^{*} Not considered for calculating the average.

SER1AL No. 39

River NIRA

Site VIR

Month JANUARY

ting, Milli		2000	A 11/		MOTOR	WIA OWK I
Year		Mean discha	rge (Cusecs)			f flow for
(June to May)	1-10	11.20	21-31	Whole month	M. A. F.	T. M. C.
1942-43*	N.A.	N.A.	N.A.			
43-44	1,280	1,238	821	1.104	0.068	3.0
44-45	1,266	1,123	1,013	1,130	0.069	3.0
45-46	1,384	1,383	1,046	1,264	0.078	3.4
1946-47	866	1,292	924	1,024	0.063	2.7
47-48	1,646	1,115	723	1,147	0.071	3.1
48-49	1,685	1,279	1,006	1,313	0.081	3.5
49-50	1,370	1,218	985	<i>1,184</i>	0.073	3.2
50-51	1,098	1,094	1,240	1,147	0.071	3.1
8 Years' Average	1,324	1,218	970	1,164	0 072	3.1
1951-52	704	958	590	745	0.046	2.0
52-53	450	936	774	722	0.044	1.9
53-54	1,513	831 नन्त्रम	972	1,101	0.068	29
54-55	1,185	668	769	871	0.054	2.3
55-56	1,192	1,123	880	1,059	0.065	2.8
1956-57	1,286	869	985	1,045	0.064	2.8
57-58	÷894	955	868	904	0.056	2.4
58-59	1,047	629	457	703	0.043	1.9
59-60	1,144	899	799	943	0.058	2.5
60-61	1,572	712	722	993	0.061	2.7
10 Years' Average	1,099	858	782	909	0.056	2.4
18 Years' Average	1,199	1,018	865	1,022	0.063	2.7

^{*} Not considered for calculating the average.

River NIRA		Sit	le VIR		Month FE	BRUARY
Year		Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	1
1942-43*	N.A.	N.A.	N.A.			
43-44 . , .	1,230	669	782	<i>898</i>	0.052	2.3
44-45	954	927	598	843	0.047	2.0
45-46	1,054	.61	370	504	0.028	1.2
1946-47	898	774	926	862	0.048	2.1
47-48	1,036	861	521	<i>816</i>	0.047	2.0
48-49	1,116	642	800	85 6	0.048	2.1
49-50	751	987	703	822	0.046	2.0
50-51	888	697	29 9	652	0.036	1.6
8 Years' Average	991	702	625	782	0.043	1.9
1951-52	603	569	747	636	0.037	1.6
$52-53 \dots$	617	338	730	<i>55</i> 0	0.031	1.3
53-54	854	689	441	677	0.038	1.6
54-55	1,216	625	891	9.12	0.051	2.2
55-56	727	829	985	656	0.038	1.6
1956-57	976	733	616	786	0.044	1.9
57-58	1,199	903	631	931	0.052	2.3
58-59	779	1,030	553	804	0.045	1.9
59-60	983	543	1,438	972	0.056	2.4
60-61	1,235	851	172	794	0.044	1.9
10 Years' Average	919	711	060	772	0:043	1.9.
18 Years' Average	951	707	645	776	0.043	1.9

^{*} Not considered for calculating the average.

SERIAL No. 39

River NIRA

Site VIR

Month MARCH

Year *		Mean discha	rge (Cusecs)		Volume of	flow for
(June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c c }\hline & the \ m\\\hline M. \ A. \ F.\end{array}$	T. M.
1942 43*	N:A.	N.A.	N.A.			
43-44	774.	700	680	717	0.044	1.9
44-45	773	807	798	793	0.049	2.1
45-46	610	685	627	640	0.039	17
1946-47	526	809	692	773	0 048	2.1
47-48	455	513	712	565	0.035	1.5
48-49	199	875	71)	599	0.037	1.6
49-50	758	756	108	773	0.048	2.1
50-51	1,594	689	658	970	0.040	2.6
8 Years' Average	749	729	710	729	0.045	2.0
1951-52	541	542	567	551	0.034	1.5
52-53	764	813	619	664	0.041	1.8
53-54	682	672	635	662	0.041	1.8
54-55	553	841	749	715	0.044	1.9
55-56	559	645	750	655	0.040	1.8
1956-57	683	624	754	689	0.042	1.8
57-58	493	816	771	696	0.043	1.9
58-59	534	786	736	687	0.042	1.8
59-60	423	582	761	<i>594</i>	0.042	1.6
60-61	1,205	696	789	893	0.055	2.4
10 Years' Average	644	682	713	681	0.042	1.8
18 Years' Average	690	703	712	702	0.043	1.9

^{*} Not considered for calculating the average.

River NIRA		Site	VIR		Month APR		
Year -		Mean dischar	rge (Cusecs)	·	Volume of flow fo the month		
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C	
1942-43*	N.A.	N.A.	N.A.				
43-44	676	829	720	742	0.044	1.9	
44-45	754	749	965	823	0.049	2.1	
45-46	494	521	648	554	0.033	1.4	
1946-47	711	593	1,039	781	0.046	2.0	
47-48	674	795	960	810	0:048	2.1	
48-49	907	685	986	859	0:051	2.2	
49-50	836	750	835	807	0:048	2.1	
50-51	758	837	852	816	0:049	2.1	
8 Years' Average	726	720	876	774	0 046	2.0.	
1951-52	594	624	694	637	0:038	1.7	
52-53	501	796	681	659	0.039	1.7	
53-54	796	718	755	756	0.045	2.0	
5 4-5 5	818	797	730	778	0.046	2.0	
55-56	883	824	1,107	938	0 056	2.4	
19 56- 57 · · ·	815	1,072	1,281	1,056	0.063	2.7	
57-58	828	851	938	872	0.052	2.3	
58- 59	730	795	764	763	0.045	2.0	
59-60	922	1,081	1,255	1,086	0.065	2.8	
60-61 ,	986	918	806	903	0.054	2.3	
10 Years' Average	787	848	901	845	0.050	2.2	
18 Years' Average	760	791	890	813	0.048	2.1	

^{*} Not considered for calculating the average.

SERIAL No. 39

River NIRA

Site VIR

Month MAY

	Λ	Iean dischar	ge (Cusecs)		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M.
1942-43*	N.A.	N.A.	N.A.			
43-44	829	819	838	829	0.051	2.2
44-45	693	807	861	789	0.049	2.1
45-46	508	575	690	594	0.037	1.6
1946-47	894	852	1,120	961	0.059	2.6
47-48	802	691	776	757	0.047	2.0
48-49	993	1,032	7.56	921	0.057	2.5
49-50	694	737	98	496	0.030	1.3
50-51	1,035	949	925	968	0.060	2.6
8 Years' Average	806	808_	758	789	0.049	2.1
1951-52	557	548	591	566	0.035	1.5
52-53	653	684	622	652	0.040	1.7
53-54	836	791	-14-7 599	737	0.045	2.0
54-55	863	706	654	738	0.045	2.0
<i>55-5</i> 6	887	825	772	826	0.051	2.2
1956-57	1,512	1,388	1,010	1,294	0.080	3.5
57-58	1,016	1,087	974	1,024	0.063	2.7
58-59	721	970	89	577	0.035	1.5
59-60	1,241	1,307	589	1,031	0.063	2.8
60-61	961	964	406	765	0.047	2.0
10 Years' Average	925	927	631	821	0.050	2,2
18 Years' Average	872	874	687	807	0.050	2.2

^{*} Not considered for calculating the average.

River NIRA (BH	IMA)	Site	SARATI		Month JANUARY
Year	1	Mean discl	harye (Cusecs)	1 . TIY . 7	Volume of flow for the month
$(June\ to\ May)$	1-10	11-20	21.31	Whole month	M. A. F. T. M. C.

1948-49				4				
19-50				* 7				
50-51				\0\.483				
1951-52				44.45 4.15				
52-53				(Carlos)	2			
53-54	• . •			समापे व	304			
54-55		•	119	167	143	14 3	0.009	0.4
55-56		•						
1956-57								
5 7- 58			274	258	118	207	0.013	0.6
58-59								
59-60			278	242	210	237	0.015	0.6
60-61		•						
3 Years'	Aver	age	224	222	157	196	0.012	0.5

River NIRA (BHIM	IA)	Site	SARATI		Month	FEBRUARY
Year (June to May)	1-10	Mean discho	21-28/29	W hole month		e of flow for month T. T. M. C.

3 Years' Average	141	134	96	125	0.007	0.3
60-61			and open property and an arrange of the second			
59-60	201	154	97	152	0.009	0.4
58-59						
57-58	99	87	92	93	0.005	0.2
1956-57						
55-56						
54-55	124	161	구리리100 ·	131	0.007	0.3
53-54		(Caralia)				
, 52-53			3172			
1951-52						
50-51* .	69	68	67	68	0.004	0.2
49-50						
1948-49		ж _е мп 1.	0			

^{*} Not considered for calculating the average.

River	NIRA (BH	(MA)	Site	SARATI		Month	MARCH
_	ear to May)	1-10	Mean disch	arge (Cusecs)	Whole	Volume of the m	onth
	,	1-10	11.00		month	M.A.F.	T. M. C.

3 Years' Average	91	94	88	91	0.005	0.2
60-61						
59-60	95	92	80	89	9.005	0.2
58-59*	45	3 8	45	42	0.003	0.1
57-58	76	84	85	82	0.005	0.2
1956-57						
55-56						
54-55	102	107	98 14 1	103	0.006	0.3
53-54						
52-53		A THE STATE OF THE				
1951-52		1111	A.V			
59-51*	58	5 6	60	58	0.904	0.2
49-50*	106	≤ 98	2 77 2 2 3	89 50	0.005	0.2
1948-49		λ _π ^{(, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10}	Acres 1			

^{*} Not considered for calculating the average.

SERIAL No. 40

River NIRA (BH	IMA)	Site S	ARATI		Month	APRIL
Year		Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21.30	W hole month	M.A.F.	T, M, C
1948-49*	118	110	114	114	0.007	0.3
49-50*	74	73	69	72	0.004	0.2
50-51*	58	57	57	5 8	0.003	0.2
1951-52						
52-53						
54-55	164	72	न्यने ₈₈	108	0.006	0.3
55 56						
1956-57						
57-53	81	77	100	86	0,005	0.2
58-59*	33	66	58	52	0.003	0.1
59-6 0	85	83	114	94	0.006	0.2
60-61		wyn y gannar wygoddiau 1744 dianau'r ann fardd				
				_		_

^{*} Not considered for calculating the average.

3 Years' Average

110

101

96

0.006

0.2

77

River NIRA (BHII	MA)	Site SARATI			Month MAY	
Year		Mean discha	rge (Cusecs)		Volume of the mo	of flow for
	1-10	11-20	21-31	Whole month M.A.F.		T. M. C.

1948-49*	133	121	N.A.	129	0.008	0.3
49-50*	71	71.	78	72	0.004	0.2
50-51*	58	58	210	112	0.007	0.3
1951-52						
52-53						
53-54		तहारे ह				
54-55	83	82	98	87	0.005	0.2
55-56						
1956-57*	142	124	162	140	0.009	0.4
57-58	104	107	105	106	0.007	0.3
58-59*	51	76	185	95	0.006	0.3
59-60	106	127	273	149	0.009	0.4
60-61						
3 Years' Average	98	105	159	114	0.007	0.3

^{*} Not considered for calculating the average.

River NIRA (BHIM	A)	Site NAI	RASINGPUR) V	Month]	ANUARY	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	$M. A. \hat{F}.$	T. M.C.	
1949-50*	N.A.	N.A.	N.A.	·			
50-51*	**	,,	,,				
1951-52	207	132	(126)	154	0.009	0.4	
52 -53	74	84	102	87	0.005	0.2	
53-54*	212	212	159	193	0.012	0.5	
54-55	(140)	286	252	227	0.014	0.6	
55-56	(110)	200	202	***	V.V.1	0.0	
1956-57							
57-58*	36	53	28	39	0.002	0.1	
58-59							
3 Years' Average	140	167	160	156	0.009	0.4	
					Month FE	BRUARY	
		Mean discharge (Cusecs)				Volume of flow for the month	
Year (June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C	
1949-50*	N.A.	N.A.	N.A.				
50-51*	126	139	156	141	0.008	0.3	
1951-52	120	94	84	99	0.006	0.2	
52-53	76	62	43	61	0.003	0.1	
53-54*	156	150	121	144	0.008	0.3	
54-55	227	235	214	249	0.014	0.6	
55-56							
1956-57							
57-58							
58 - 59*	152	142	151	148	0.008	0.4	
3 Years' Average	141	130	114	136	800.0	0.3	

^{*} Not considered for calculating the average.

River NIRA (BHIN	(A)	Site N	ARASINGPU	R	Month MARCH
Year (June to May)		Mean discha		Whole	Volume of flow for the month
(June to May)	1-10	11-20	21-31	month	M.A.F. $T.M.C.$

22 22 0.001 0.1 116 114 0.007 0.3 189 199 0.012 0.5
116 114 0.007 0.3
116 114 0.007 0.3
116 114 0.007 0.3
116 114 0.007 0.3
22 22 0.001 0.1
22 22 0.001 0.1
68 74 0.005 0.2
83 105 0.006 0.3
. 139

^{*} Not considered for calculating the average.

River NIRA (BHI	MA)	Site N	ARASINGPU	J R	Month APRIL	
Year		Mean discha	irge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F. T. M.C.	

1949-50*	171	108	88	122	0.007	0.3
50-51*	75	72	108	85	0.005	0.2
1951-52	44	45	36	42	0.002	0.1
52-53	21	112	81	77	0.005	9.2
53-54*	N.A.	N.A.	N.A.			
54-55	182	182	186	183	0.011	0.5
55-56						
1956-57						
57-58						
58-59*	97	101	123	107	0.006	0.3
3 Years' Average	82	113	101	101	0.006	0.3

^{*} Not considered for calculating the average.

SERIAL No. 41

River NIRA (BHIMA)

Site NARASINGPUR

Month MAY

		Mean dische	arge (Cusecs)		Volume o	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.

З Үсагъ	Av	er	age	89	76	85	84	0.005	0.2
60 61	•								
59-60	•								
58-59*	•	•	•	128	109	148	126	0.008	0:3
57- 58			•						
1956-57*		•		103	90	71	88	0.005	0.2
55 +56 *	٠		•	NA.	N.A.	N.A.			
54-55			•	185	168	224	191	0.01,2	0:5
53-54*		•		N.A.	N.A.	N.A.			
52-59		٠	•	54	36	21	36	0 002	0:1
1951-52				29	23	11	24	0.001	0.1
50-51*	•	•	•	88	77	93	86	0.005	0.2
1949-50	•	•	•	84	71	N.A.			

^{*} Not considered for calculating the average.

River YELWANDI		Site Mean discharg	BHATGHAR	·	Mor Volume o	th JUN	
Year	ſ	[Whole		the month	
(June to May)	1-10	11-20	21-30	month	M. A. F.	T. 1	
1941-42	Nil	Nil	1,725	575	0.034	1.5	
42-43	"	,,	859	286	0.017	0.7	
43-44	"	1,665	1,064	910	0 054	2.4	
44-45	,,	719	528	416	0.025	1.1	
45-46	, ,	Nil	1,955	652	0.039	1.7	
1946-47	Nil	Nil	2,489	830	0.049	2.2	
47-48	93	VENERAL	2,469 Nil	31	0.043	0.1	
48-49	Nil		30 133 1	Nil	Nil	Nil	
49-50	,,						
50-51	",	1,11	,,	"	91 99:	"	
10 Years' Average	9	238	862	370	0:022	1.0	
1951-52	Nil	Nil	2,861	954	0.057	2.5	
52-53	,,	and its	1,714	571	0.034	1.5	
53-54	,,	99	4,092	1,364	0.081	3.5	
54-55	,,	,,	613	204	0.Q12	0.5	
55-56	,,	,,	Nil	Nil	Nil	Nil	
1956-57	Nil	Nil	Nil	Nil	Nil	Nil	
57-58	>7	**	79	,,	,,	,,	
58-59	7,	"	1,366	455	.0.027	1.2	
59-60	,,	"	Nil	Nil	Nil	Nil	
60-61	,,	3,	33	,,	>9	3)	
10 Years' Average	Nil	Nil	1,065	355	0.021	0.9	
20 Years' Average	5	119	963	362	0.022	0.9	

River YELWANDI	(NIRA)	Site B	HATGHAR		Mont	h JULY	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M.	
1941-42	14,143	1,5 6 8	990	6, 387	0.393	17.1	
42-43	11,374	5,223	9,717	8,802	0.541	23.6	
43-44	7,988	9,057	7,589	8,191	0.504	21.9	
44-45	4,280	12,174	10,234	8,939	0.550	23.9	
45-46	9,790	7,438	1,730	6,171	0.379	16.5	
1946-47	7,345	3,242	12,963	8,015	0.493	21.5	
47-48	711	7,909	4,176	4,262	0.262	11.4	
48-49	516	2,569	5,114	2,810	0.173	7.5	
49-50	876	6,552	3,411	3,606	0.222	9.7	
50-51	Nil	11,117	8,886	6,739	0.414	18.0	
10 Years' Average	5,702	6,985	6,481	6,392	0.393	17.1	
1951-52	614	1,148	6,469	2,864	0.176	7.7	
52 -53	1,173	5,942	1,208	2,724	0.167	7.3	
53-54	6,929	4,846	1,198	4,223	0.260	11.3	
54-55	7,098	10,104	1,713	6,157	0.379	16.5	
55-56	4,559	4,359	2,231	3,668	0.226	9.8	
1956-57	11,796	6,883	3,755	7,358	0.452	19.7	
57-58	566	6,757	2,914	3,396	0.209	9.1	
58-59 , , ,	7,602	14,619	3,218	8,310	0.511	22.3	
59-60	9,437	9,098	9,096	9,207	0.566	24.7	
60-61	9,785	9,281	4,909	7,892	0.485	21.1	
10 Years Average	5,956	7,304	3,671	5,580	0.343	14.9	
20 Years' Average	5,829	7,144	5,076	5,986	0.368	16.0	

River YELWAND	1	Mean disch	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	W h month	M. A. F.	$egin{array}{ c c c c c c c c c c c c c c c c c c c$
	- ^0			0.1100	0.405	7 0
1941-42	1,994	5,039	1,237	2,708	0.167	7.3
42-43	8,562	3,551	1,353	4,388	0.270	11.8
43-44	4,630	1,357	607	2,147	0.132	5.8
44-45	9,689	23,389	8,638	13,735	0.845	36.8
45-46	744	9,097	3,689	4,484	0.276	120
		- 13				
1946-47	11,299	7,242	4,595	7,611	0.468	20.4
47-48	1,006	1,141	7,460	3,340	0.205	8.9
48-49	1,5811	8,632	2,244	4,091	0.252	11.0
49-50	9,551	2,911	732	4,280	0.263	11.5
50-51	6,261	1,536	246	2,602	0 160	7.0
10 Years' Average	5,532	6,390	3,080	4,939	0.304	13.2
1951-52	6,874	2,979	1,661	3,768	0.232	10.1
52-53	6,824	5,288	1,265	4,356	0.268	11.7
53-54	8,553	8,203	1,722	6,016	0.370	16.1
5 4-55	8,041	4,421	714	4,273	0.263	11.4
55-56	3,758	3,795	4,501	4,034	0.248	10.8
1956-57	11,476	4,538	1,043	5,536	0.340	14.8
57-58	5,282	3,816	3,495	4,175	0.257	11.2
58-59	2,164	2,605	3,653	2,835	0.174	7.6
59-60	5,001	1,831	3,269	3,364	0.207	9.0
60-61	6,802	5,020	2,336	4,642	0.285	12.4
10 Years' Average	6,478	4,250	2,366	4,300	0.264	11.5
20 Years' Average	6,005	5,320	2,723	4,619	0.284	12.4

River YELWAND	I (NIRA)	Site B	HATGHAR		Month SEI	TEMBER
Year	1	Mean disci	Volume of flow for the month			
(June to May,	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1941-42	283	764	196	414	0.025	1.1
42-43	4,188	313	335	1,612	0.096	4.2
43-44	56	927	623	735	0.044	1.9
44-45	498	415	246	386	0.023	1.0
45-46	917	€01	767	762	0.045	2.0
1946-47	1,277	541	150	656	0.039	1.7
47-48	4,095	572	3,450	2,766	0 161	7.0
48-49	1,028	389	443	620	0.037	1.6
49-50	957	265	1,950	1,057	0.063	2.7
50-51	1,509	532	331	791	0.047	2.1
10 Years' Average	1,541	532	849	974	0.058	2.5
1951-52	486	445	185	372	0.022	1.0
52-53	109	114	118	114	0 007	0.3
53-54 · · ·	447	179	113	246	0.015	0.6
54 - 55 · · ·	4,922	1,576	1,380	2,626	0.156	6.8
55-56	6,972	509	889	2 790	0.166	7.2
1956-57	850	305	1,185	780	0.046	2 0
57-58	340	828	Nil	389	0.023	1.0
58-59	1,988	2,169	,,	1,386	0.082	3.6
59-60	8,473	994	,,	3,156	0.188	8.2
60-61	1,231	827	958	1,005	0.060	2.6
10 Years' Average	2,582	795	483	1,286	0.076	3.3
20 Years' Average	2,061	663	666	1,130	0.067	2.9

mver, II	EWANDI	(141147)	Site Br Mean discha	HATGHAR		Month O		
Year			1		Whole	Volume of flow for the month		
(June to	May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.	
1941-42		Nil	Nil	NiI	Nil	Nil	Nil	
42-43		,,	**	19	,,	,,	,,	
43-44		242	693	64	324	0.020	0.9	
44-45		Nil	Nil	Nil	Nil	Nil	Nil	
45-46		**	,,	**	**	,,	**	
1946-47		Nil	Nil	Nil	Nil	Nil	Nil	
47-48		964	(,,)	311	0.019	0.8	
48-49		199	67		86	0.065	0.2	
49-50		Nil	Nil	,,	Nil	Nil	Nil	
50-51	• • •	567	58	15	207	0.013	0.6	
10 Years'	Average	197	82	8	93	0.006	0.2	
1951-52		432	472	109	330	0.020	0.9	
52-53		Nil	Nil	Nil	Nil	Nil	Nil	
53 - 54		,,	- 이르네티 ***	의 취약하	,,	,,	,,	
51-55		216	73	,,	70	0.004	0.2	
55 -56		1,883	41	361	749	0.046	2.0	
1956-57		1,416	1,305	11	882	0.054	2.4	
57-58		Nil	Nil	Nil	Nil	Nil	Nil	
58-59		,,	**	37	,,	,,	,,.	
59-60		,,	19	,,	,,	,,		
60-61		,,	,	**	,,	"	3.7	
10 Years'	Average	395	182	48	203	0.012	0.5	
20 Years'	Average	296	132	28	148	0.009	- 0.4	

		Mean dischar	rge (Cusecs)	Volume of flow for		
Year (June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.
	}			1) 1.11.0.
1941-42	Nil	Nil	Nil	Nil	Nil	Nil
42-43	"	**	,,	,,	,,	,,
43-44	,,,	,,,,	25	,,,	,,	,,
44-45	,,	**	,,	10	••	,,
45-46	,,	,,	**	**	**	, ,
1946-47	Nil	Nil	Nil	Nil	Nil	Nil
47-48	,			, , ,	,,	,,
48-49	,,			,,,	,,	,
49-50	,,	• •	91	1,	,,	,,
50-51	12	22	1 1 1 1 2 2	,,	**	**
10 Years' Average	\overline{Nil}	\overline{Nil}	Nil	Nil	Nil	Nil
1951-52	Nil	Nil	Nil	\overline{Nil}	Nil	Nil
52-53	**	श्चन्त्रा	व नय-१	**	,,	**
53-54	**	**	3.5	29	**	,,
5 4- 55 · · ·	"	5.7	**	"	**	,,
55-56 :	**	,,	27	,,	**	17
1956-57	365	23	-44	144	0.009	0.4
57-58	Nil	Nil	Nil	Nil	Nil	Nil
58-59	**	"	"	7;	13	2.9
59 -6 0	**	,,	**	**	>9 '	,,
60-61	***	27	3)	,,	z 9	,,
10 Years' Average	36	2	4	14	0.001	Nil
20 Years' Average	18	1	2	7	Nil	Nil

River YELWANDI	(NIRA)	Site B	HATGHAR	!	Month DE	CEMBER
		Mean discharg	Volume of flow for			
(June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{c c} & the \ n \\ \hline M. \ A. \ F. \end{array}$	T. M.
1047.49	276	149	241	222	0.014	0.6
1941-42	80	299	391	261	0.014 0.016	0.6
42-43	115	11	92	73	0.016	0.7
	57	31	115	6 9	0.004	0.2 0.2
44-45	3 <i>1</i>	149	103	95	0.004	0.2
		eta l	-i\	e ni	• • • •	
1946-47	34	57	80	57 ~ c	0.004	0.2
47-48	3	69	149	76	0.005	0.2
48-49	23	115	11	49	0:003	0.1
49-50	69	69	103	80	0.005	0.2
50-51	23	23	92	46	0.003	0.1
10 Years' Average	71	98	138	103	0.006	0.3
1951-52	69	69	172	106	0.007	0.3
52-53	69	92	34	65	0.004	0.2
53-54	57	9	103	58	0.004	0.2
54-55	46	230	161	146	0.009	0.4
55-56	69	92	92	84	0.005	0.2
1956-57	34	69	115	73	0.004	0.2
57-58	23	127	80	77	0.005	0.2
58-59	(56)	(99)	(102)	(86)	(0.005)	(0.2)
59-60	80	92	115	96	0.006	0.3
60-61	57	115	46	72	0.004	0.2
10 Years' Average	56	99	102	86	0.005	0.2
20 Years' Average	64	98	120	95	0.006	0.3

River YELWANDI	(NIRA)	Site Bl	HATGHAR		Month	JANUAR
		Mean discharge (Cusecs)			Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	Ionth T. M. C
1941-42	241	276	172	229	0.014	0.6
42-43	80	161	172	138	0.008	0.4
43-44	Nil	92	138	77	0.005	0.2
44-45	57	80	103	80	0.005	0.2
45-46	207	34	57	99	0.006	0.3
1946-47	80	-46	46	57	0.004	0.2
47-48	69	46	*80	65	0.004	0.2
48-49	46	34	103	61	0.004	0.2
49-50	46	23	103	57	0 004	0 2
50-51	23	92	103	73	0.004	0.2
10 Years' Average	85	88	108	94	0.006	0.3
1951-52	92	69	Til	57	0.004	0.2
52-53	92	69	11	57	0.004	0.2
53-54	69	34	69	57	0.004	0.2
54-55	149	127	172	14 9	0.009	0.4
55-56	149	103	149	134	800.0	0.4
195 6- 57	46	23	80	49	0.003	0.1
5 7- 58 :	69	115	46	77	0.005	0.2
58-59	(92)	(73)	(69)	(78)	(0.005)	(0.2
59-60	69	46	34	49	0.003	0.1
60-61	92	69	46	69	0.004	0.2
10 Years' Average	92.	73	69	78	0.005	0,2
20 Years' Average	88	81	88	86	0.005	0.2

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River YELWANDI	(NIRA)	Site	BHATGHAR	r	Month FE	BRUARY
Vace	Mean discharge (Cusecs)				Volume of flow for the month	
Year (June to May)	1-10	11-20	21-28/29	W hole month	M. A. F.	T. M. C
1941-42	Nil	Nil	Nil	Nil	Nil	Nil
42-43	172	161	161	165	0.009	0.4
43-44	11	34	149	62	0.004	0.2
44-45	57	103	57	72	0.004	0.2
45-46	80	1	69	50	0.003	0.1
1946-47	11	92		57	0.003	6.1
47-48	57	69	23	51	0.003	0.1
48-49	69	46	57	57	0.003	0 1
49-50	149	69	1	78	0.004	0.2
50-51	57	34	46	46	0.003	0.1
19 Years' Average	66	61	63	64	0.004	0.2
1951-52	46	34	138	70	0.004	0.2
52-53	7	46	113.46	33	0.002	0.1
5 3- 5 4	23	80	34	46	0.003	0.1
54-55	265	92	103	157	0.009	0.4
55-56	69	46	92	69	0.004	0.2
1956-57	46	184	92	107	Q .006	0.3
57-58 · · · · 58-59 · · · ·	138 (83)	196 (89)	103 (88)	149 (87)	0.008 (0.005)	0.4 (0.2)
59-60	80	46	69	65	0.004	0.2
60-61	69 .	80	115	86	0.005	0.2
10 Years' Average	83	89	88	87	0.005	0.2
20 Years' Average	74	75	76	75	0.004	0.2

River YELV	AND	(NIRA)		3HATGHAR		Month	
Year		\	Mean discha	rge (Cusecs)]	Volume of the m	
(June to Mo	ıy)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1 94 1-42 .		161	966	138	413	0.025	1.1
42-43 .		34	11	69	38	0.002	0.1
43-44 .		46	89	34	56	0.003	01
44-45 .		115	57	230	137	0.008	0.4
45-46		115	57	57	76	0.005	0.2
			(E)				
1946-47	. ,	80	69	23	-57	0.004	0.2
47-48		57	23	46	42	0.003	0.1
48-49		92	103	69	88	0.005	0.2
49-50		92	34	103	76	0.005	0.2
50-51 .		34	46	34	38	0.002	0.1
10 Years' Av	erage	83	146	80	102	0.006	0.3
1951-52 .		23	23	57	34	0.009	0.1
52-53 .		34	34	를 등립 극 46	38	0.002	0.1
5 3- 54 .		34	34	69	46	0.003	0.3
54-55 .		149	103	69	107	0.007	0.3
55-56 .		149	57	13 8	115	0.007	0,3
1956.57 .		80	80	103	88	0.005	0.2
57-58 . 58-59 .		103 (78)	115 (71)	80 (71)	99 (73)	0.006 (0.004)	0.3 (0.2)
59-6 0 .		6 9	23	34	42	0.003	0.1
60-61 .		57	172	46	90	0.006	0.2
10 Years' As	erage	78	71	71	73	0.004	0.2
28 Years' Av	verage	80	108	76	88	0.005	0.2

River YELWANDI (I	NIRA)	SERIAL Site BHA	TGHAR		Month	APRIL
77	Ž	Me an discha rg	ie (Cusec s)		Volume o	
Year (June to May)	1-10	11-20	21.30	Whole month	M. A. F.	T. M. C
1041 40	- 0.0					
1941-42	138	172	241	18 4 57	0.011	0.5
43-44	9 80	92 4 6	69		0.003	0.1
			57	61	0.004	0.2
44-45 45-46	69 57	11 34	23	34	0.002	0.1
40-40	91	04	34	42	0.002	0.1
1946-47	46	23	- 115	61	0.004	0.2
47-48	46	69	80	65	0.004	0.2
48-49	57	57	46	53	0.003	0.1
49-50	92	11	46	49	0.003	0.1
50-51	57	69	46	57	0.003	0.1
10 Years' Average	65	58	76	66	0,004	0.2
1951-52	11	46	115	57	0.003	0.1
52-53	7	46	FUE 46	33	0.002	0.1
53-54	46	92	34	57	0.003	0.1
54-55	80	115	11	69	0.004	0.2
55-56	115	80	11	69	0.004	0.2
1956-57	172	92	241	168	0.010	0.4
57-58	115	80	34	76	0.005	0.2
58-59	(76)	(64)	(56)	(67)	(0.004)	(0.2)
59-60	.80	23	11	38	0.002	0.1
60-61	57	Nil	Nil	32	0.002	0.1
10 Years' Average	76	64	56	67	0.004	0.2
20 Years' Average	70	61	66	66	0.004	0.2

River YELWANDI (N			TGHAR		.M on	th MAY
Year -		Mean dischar	ge (Cusecs)	Whole	Volume of the m	f flow for
(June to May)	1-10	11-20	21-31	month	M. A. F.	T.M. C
1941-42	149	253	190	180	0.011	
42-43	103	293 23	1 3 8 149	180 94	0.011 0.006	0,5 0.3
43-44	57	207	103	122	*-	
44-45	103	265	115		800.0	0.3
45-46	80	23	46	161	0.010	0.4
40-40	60	40	40	49	0.003	0.1
1048 45	20	A in	2	40		
1946-47	69	46	2 11 3	42	0.003	0.1
47-48	80	80	11	57	0.004	0.2
48-49	3	34	11	16	0.001	Nil
49-50	57 80	92	34	61	0.004	0.2
50-51		34	115	78	0.005	0.3
10 Years' Average	78	106	73	8 6	0.005	0.2
1951-52	103	69	23	65	0.004	0.2
52-53	34	46	FUE 46	42	0.003	0.1
53.54	103	34	69	69	0.004	0.2
54-5 5	34	103	57	65	0.004	0.2
55-56	69	138	92	100	0.006	0.3
1956-57	207	103	57	120	0.007	0.3
57-58	115	92	149	119	0.007	0.3
58-59	(83)	(79)	(94)	(8 6)	(0.005)	(0.2)
59-60	46	80	265	135	0.008	0.4
60-61	34	46	92	57	$\boldsymbol{0.004}$	0.2
10 Years' Average	83	79	94	86	0.005	0.2
20 Years' Average	80	92	84	86	0.005	0.2

VOLUME OF ANNUAL FLOW

SERIAL No. 43

River GUNJAWANI (NIRA) S

Site MOHRI

Year	Volume of flow				
	M. A. F.	T. M. C.			
1906	0.305	13.3			
07	0.647	28.2			
08	0.574	$\frac{-5.7}{25.0}$			
09	0.503	21.9			
10	0.622	27.1			
1911	0.177	7.7			
12	0.491	21.4			
13	-0.562	24.5			
14	0.719	31,3			
15	0.494	21.5			
1916	0.292	12.7			
17	0.567	24.7			
18	0.170	7.4			
19	0.549	23.9			
20	0.549	23.9			
1921	0.468	20.4			
1.1.22 to 30.4	.22* 0.002	0.1			
1922-23	0.663				
23-24					
24-25	0.468	20.4			
25-26	0.420	18.3			
20 Years' Average	0.486	21.2			

^{*} Not considered for calculating the average.

NOTE:—The figures for the years 1906 to 1919, except the figures for 1915 which are for twelve months, are the volumes of flow for seven months (June to December) only. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th. April. The position regarding figures for 1920 and 1921 is not clear.

SERIAL No. 44

River SINA (BHIMA)

Site HATWALAN

Month JUNE

THE DITTE	(1.)	ATTIC 1.	Jaconson Jone			
Year	- 1	Mean discha	rge (Cusecs)		Volume of the mo	f flow for
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1901-02						
02-03	105	Nil	65	57	0.003	0.1
03-04	191	206	300	231	0.014	0.6
04-05* · · ·	3	47	143	65	0.004	0.2
05-06*	Nil	4	395	133	0.008	0.3
1906-07	163	204	44	137	0.008	0.4
07-08	78	583	2	221	0.013	0.6
08-09* · · ·	N.A.	N.A.	N.A.			
09-10	Nil	1.14 /經	154	89	0.005	0.2
10.11	,,	1,125	758	628	0.037	1.6
1911-12	805	70	4	293	0.017	0.8
12-13	Nil	7	352	120	0.007	0.3
13-14	,,	24	2,260	760	0.045	2.0
14-15	85	100	2,029	7 <i>38</i>	0.044	1.9
15-16	Nil	352	415	256	0 015	0.7
11 Years' Average	130	253	580	321	0.019	0.8
1946-47		14,300				
47-48		4-71	ह सम्ब			
48-49	Nil		10	250	Nil	Nil
49-50	165	5	580	250	0.015	0.6
50-51	382	2	Nil	128	0.008	0.3
1951-52	ı	1	223	75	0.004	0.2
52-53	951	821	9	594	0.035	1.5
53-54*	N.A.	N.A.	N.A.	Α		
54-55	(Nil)	8	394	134	0.008	0.3
55-56	74	181	6	'87	0.005	0.2
1956-57	15	80	193	96	0.006	0.2
57-58	2	71	1,476	<i>516</i>	0.031	1.3
58-59*	N.A.	N.A.	N.A.	0.00		V
59-60	276	7 8	654	<i>336</i>	0.020	0.9
60-61						
10 Years' Average	187	125	354	222	0.013	0.6
21 Years' Average	157	192	473	274	0.016	0.7

^{*} Not considered for calculating the average.

River SINA (BHIMA	A)	Site H	IATWALAN		Mor	th JULY
Year		Mean dischar	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M.
1901-02						
02-03	386	14	Nil	129	0.008	0.3
03-04	770	10	6	254	0.016	0.7
04-05*	3	N.A.	N.A.	,		
05-06*	10	Nil	11	7	Nil	Nil
1906-07	Nil	30	1	10	0.001	Nil
07-08	213	834	8	341	0.021	0.9
08-09*	N.A.	N.A.	N.A.		0,022	
09-10	4	Nil	Nil	1	Nil	Nil
10-11	5	126	1,035	409	0.025	1.1
1911-12	1,978	138	154	737	0.045	2.0
12-13	8	Nil	Nil	2	Nil	Nil
13-14	1,569	908	22	807	0.050	2.2
14.15	6	11/11/1		3	Nil	Nil
15-16	24	951	268	409	0.025	1.1
11 Years' Average	451	274	136	282	0.017	0.8
1946-47			E present			· · · · · · · · · · · · · · · · · · ·
47-48		जन्म हो	व अग्रम			
48-49	8	9	11	\boldsymbol{g}	0.001	Nil
49-50	22	11	(Nil)	11	0.001	
50-51	217	1	1	71	0.004	ő.2
1951-52	270	792	58	363	0.022	1.0
52-53	62	1	1	21	0 001	0.1
53.54*	N.A.	N.A.	136			• • • • • • • • • • • • • • • • • • • •
54-5 5	11	8	500	184	0 011	0.5
55 - 56	2	6	81	31	0.002	0.1
1956-57	18	105	122	83	0.00=	0.0
57-58	112	22	16	$\frac{33}{49}$	0 005 0.003	0.2
58-59*	N.A.	N.Ā.	N.A.	#3	บ.บบอ	0.1
59-60	7	4	N.A.	6	Nil	Nil
60-61	•	345	V	v	1411	1411
10 Years' Average	73	96	93	83	0.005	0.2
21 Years' Average	271	189	109	187	0.011	0.5

^{*} Not considered for calculating the average.

SERIAL No. 44

RiverSINA (BHIMA) Site HATWALAN Month**AUGUST** Mean discharge (Cusecs) Volume of flow for Y_{ear} the month Whole (June to May) 1-10 11-2021-31 monthM, A, F.T. M. C. 1901-02 02-03 Nil **52** 35 53 0.002 0.1 13 03 - 049 9 0.001 Nil 04-05* N.A. N.A. N.A. 05-06* Nil 3 125 Nil Ni, 1906-07 Nil 507 1,167 578 1.5 0.036 07 - 085 23 13 14 0.001Nil 08-09* N.A. N.A. N.A. Nil 224 09-10 Nil 631 0.0140.6 10-11 17 6 381 143 0.0090.41911-12 30 29 58 117 0.0040.2 12-13 Nil Nil 82 29 0.002 0.1 13-14 5 3 4 4 Nil Nil 14-15 2 1.340 7 435 0.027 1.2 3 15-16 6 20 10 0.001Nil 180 11 Years' Average 14 218 140 0.0090.4 1946-47 47-48 **20**44 - 444 132 12 53 48 - 490.0030.1 2 1 50 49-50 138 0.0030.1 50-51 1 1 57 21 0.001 0.1 10 1951-52 13 9 9 0.001 Nil Nil Nil Nil52 - 53.Nil ı ,, 53-54* Nil 11 21 23 0.001 54-55 30 0.1 74 55-56 151 6 67 0.0050.2 1956-57 242 113 590 324 0.020 0.9 57 - 582,113 415 473 983 0.0602.6 58-59* N.A. N.A. N.A. 59-60109 0.0070.3 $\mathbf{2}$ 300 60-61 10 Years' Average 269 59 166 164 0.010 0.4 21 Years' Average 135 193 0.009122 152 0.4

^{*} Not considered for calculating the average.

SERIAL No. 44

River SINA (BHIN	/A)	Site HA	TWALAN		Month SEF	PTEMBER
T7		Mean discha		Volume of flow for		
Year (June to May)	1-10	11-20	21-30	Whole month	$\left \frac{\text{the } r}{M. A. F.} \right $	T. M. C
1901-02						
02-03	44	285	7	112	0.007	0.3
03-04	92	20	360	<i>157</i>	0.609	0.4
04.05*	750	435	13	249	0 015	0.6
05- 0 6*	N.A.	N.A.	N.A.			
1906-07	28	3	129	53	0.003	0 1
07-08	44	9	16	23	0.001	0 1
08-09*	N.A.	N.A.	N.A.		• • • • • • • • • • • • • • • • • • • •	4 -
09-10	567	17	1,885	825	0 049	2 1
10-11	3,142	377	2,660	2,059	0.123	53
1911-12	30	12	42	28	0.002	0.1
12.13	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
13-14	3	28	214	81	0.005	0.2
14 15	2	2,466	59 5	1.021	0.061	2.6
15-16	296	86	412	265	0.016	0.7
11 Years' Average	386	300	575	420	0.025	1.1
1946-47						
47-48						
48-49	19	16		469	0.028	1.2
49-50	2,759	7	1,159	1,308	0.078	3.4
50-51	324	1,602	1,383	1,103	0.066	2.9
1951-52	120	177	53	116	0.007	0.3
52-53	Nil	Nil	271	90	0.005	0 2
53-54*	143	427	42	209	0.012	0.5
54-55	667	297	212	392	0.023	1.0
55-56	6	21	1,475	501	0.030	1.3
1956-57	458	557	1,079	698	0.042	1.8
57-58	201	708	542	484	0.029	1.3
58-59*	N.A.	N.A.	N.A.			
59-60	21	16	1,170	402	0.024	1.0
60-61						
10 Years' Average	458	340	872	556	0.033	1.4
21 Years' Average	420	319	716	485	0.029	1.3

^{*} Not considered for calculating the average.

River SINA (BHIM	A)	Site HA	TWALAN		Month (CTOBER
Year -		Mean discha	1	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C
1901-02					<u> </u>	
02-03	4	5	1	3	Nil	Nil
03-04	1,734	83	39	600	0.037	1.6
04-05*	9	364	44	136	0.008	0.4
05-06*	Nil	49	24	25	0.002	0.1
1906-07	16	4	1	7	Nil	Nil
07-08	7	4	2	4	**	,,
08-09* :	N.A.	N.A.	N.A.		•	
09-10	292	71	44	133	0.008	0.4
10-11	655	336	284	420	0.026	1.1
1911-12	10	Nil	Nil	3	Nil	Nil
12-13	133	148	27	57	0.004	0.2
13-14	5	173	2	58	0.004	0.2
14-15	90	33	17	46	0.003	0.1
15-16	655	229	14	290	0.018	0.8
11 Years' Average	327	99	39	147	0.009	0.4
1946-47		16-5	Status III			
47-48						
48-49	141	145	49	110	0.007	0.3
49.50	324	684	356	4 51	0.028	1.2
50-51	425	146	46	201	0.012	0.5
1951-22	708	83	29	266	0.016	0.7
52-53	82	122	101	102	0.006	0.3
53-54*	733	35	5	249	0.015	07
54-55	126	103	102	112	0 007	0.3
55-56	891	637	1,012	852	0.052	2.3
1056 Em	2,885	817	411	1,340	0.082	3.6
1956-57	430	64	1,193	583	0.036	1.6
57-58	N.A.	N.A.	N.A.	300	0.000	7.4
58-59*	2,552	710	545	1,246	0.077	3.3
59-60 60-61	<i>ພ</i> ຸບບຜ	* 10	UIV	_,,,_,	0.411	
10 Years' Average	856	35 1	384	526	0.032	1.4
21 Years' Average	579	219	204	328	0.020	0.9

^{*} Not considered for calculating the average.

River SINA (BHIM	IA)		IATWALAN	Month NOVEMBER		
		Mean discha	rge (Cusecs)		Volume of flow for	
Year				Whole	the month	
(June to May)	1-10	11-20	21-30	month	M. A. F.	T. M. C
1901-02						
02-03 , , .	65	9	5	2 6	0.002	0.1
03-04	24	18	18	20	0 001	0.1
04-05*	17	6	1	8	Nil	Nil
05-06*	Nil	Nil	Nil	Nil	,,	,
1906-07	3	Nil	Nil	1	Nil	Nil
07-08	2	,,	,,	Nil	,,	,,
08-09*	N,A.	N.Ä.	N.A.		•	
09-10	20	5	Nil	8	Nil	Nil
10-11	171	205	95	157	0.009	0.4
1911-12	Nil	Nil	143	48	0.003	0.1
12-13	,,,	100 (4141)	124	41	0.003	0 1
13-14		11.33	Nil	Nil	Nil	Nil
14-15	25	3	6	13	0.001	
15-16	34	36	28	$\hat{\vec{3}}\hat{\vec{3}}$	0.002	0.1
		1.11		Ģ3	0.002	0.1
11 Years' Average	31	26	38	32	0.002	0.1
1946-47		The last	Se distribution			
47.48						
48-49	176	30	663	289	0.017	0.7
49-50	190	131	90	137	0.008	0.4
50-51	14	10	7	11	0.001	Nil
1951-52	16	6	16	13	0.001	Nil
52-53	3	$\overset{\circ}{2}$	2	$\frac{10}{2}$	Nil	
53-54*	ĭ	ĩ	$N.\tilde{A}$.	2	1431	,,
54-55	$7\overline{2}$	63	28	54	0.003	0.1
55-56	$50\overline{2}$	136	66	235	0.014	0.6
1956-57	424	234	242	300	0.018	0.8
57-58	91	72	44	69	0.004	0.2
58-59*	N.A.	N.A.	N.A.		0.003	V-4
59-60	93	591	46	24 3	0.014	0.6
60-61					V.VAT	U.U
10 Years' Average	158	128	120	135	0.008	0.3
21 Years' Average	92	74	77	81	0.005	0.2

^{*} Not considered for calculating the average.

		SERI				
River SINA (BHIM	(A)	Site H	IATWALAN		Month DE	CEMBER
		Mean discha	Volume of flow for			
Year	1 10	17.00	07.07	Whole	the m	onth
(June to May)	1 · 10	11-20	21-31	month	M.A.F.	T.M $C.$
1901-02			_			
02-03 ,	5	29	4	12	0.001	Nil
03-04	17	14	8	13	0.001	>3
04-05*	Nil	Nil	Nil	Nil	Nil	,,
05-06*	**	,,	**	,,	**	,,
1906-07	Nil	Nil	87	31	0.002	0.1
07-08	,,	,,	Nil	Nil	Nil	Nil
08-09*	N.A.	N.A.	N.A.			
υ9-10	Nil	Nil	Nil	Nil	Nil	Nil
10.11	54	45	.42	47	0.003	0.1
1911-12	37	Nil	Nil	12	0.001	Nil
12-13	Nil	1.23	113/00	Nil	Nil	72
13-14	29		et (7),	9	0.001	"
14-15	3	2	2	3	Nil	
15-16	26	20	418	163	0.010	0.4
11 Years' Average	16	10	51	26	0.002	0.1
1946-47		112 1.32	S . 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			
47-48		ज्ञाहरा हो।	न भगते			
48-49	99	40	23	53	0.003	0.1
49-50	28	4	5	12	0.001	Nil
50-51	6	5	5	5	Nil	**
1951-52	4	3	2	3	Nil	Nil
52-53	ļ	Nil	Nil	Nil	9,	"
53-54*	N.A.	N.A.	$N_i.A_i$	•		
54-55	(22)	(18)	(15)	(18)	(0.001)	(Nil)
55-56	.53	47	27	41	0.003	0.1
1956-57	121	69	51	.79	0.005	0.2
57-58	29	22	17	23	0.001	0.1
58-59*	N.A.	N.A.	N.A.			
59-60	26	18	15	20	0.001	0.1
60-61						
10 Years' Average	39	23	16	25	0.002	0.1
21 Years' Average	27	16	34	26	0.002	0.1

^{*} Not considered for calculating the average.

River SINA (BHIM	A)	Site HA	ATWALAN		Month	JANUAR'
		Mean dischar	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	$\frac{the \ r}{M. \ A. \ F.}$	nonth T. M. C
1901-02				<u></u>		
02-03	Nil	Nil	Nil	Nil	Nil	Nil
03-04	6	6	6	6	,,	,,
04-05*	Nil	Nil	Nil	Nil	,,	, ,
05-06*	"	**	**	,,	**	,
1906-07	Nil	Nil	Nil	Nil	Nil	Nil
07-08	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09*	Nil	Nil	Nil	Nil'	Nil	Nil
09-10		• • • • • • • • • • • • • • • • • • • •	15 15 15 15 15 15 15 15 15 15 15 15 15 1		• •	
10-11	126	61	31	$\ddot{71}$	0.004	0.2
1911-12	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13	**	** A C C C C C C C C C C C C C C C C C C		, ,,	**	,
13-14	"			,,	1)	,,
14-15	,,			,,	,,	9.9
15-16	"		7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	,,	,,	"
11 Years' Average	12	6	3	7	\overline{Nil}	\overline{Nil}
1946-47						
47-48		1,21,21				
48-49	52	30	E = 19	33	0.002	0.1
49-50	(5)	(5)	(5)	(5)	(Nil)	(Nil)
50-51	4	`3'	`3	(5) 3	Nil	Nil
1951-52	1	1	1	1	Nil	Nil
52.53	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54*	N.A.	N.A.	Ň.A.	• /	` /	,
54.55	11	9	8	9	0.001	Nil
55-56	24	21	21	22	0.001	0.1
1956 57	34	29	26	29	0.002	0.1
57-58	12	12	11	11	0.001	Nil
58-59*	13	11	10	11	0.001	,,
59-60	14	14	12	13	0.001	,,
60-61						•
10 Years' Average	16	12	11	13	0.001	\overline{Nil}
21 Years' Average	14	9	7	10	0.001	Nil

^{*} Not considered for calculating the average.

River SINA (BHIM	IA)	Site HA	rwalan		Month F	EBRUARY
Year		Mean dischar	rge (Cusecs)	T177 7	Volume	of flow for month
(June to May)	1-10	11-20	21-28/29	W hole month	M. A. F.	
1901-02						
02-03	Nil	Nil	Nil	Nil	Nil	Nil
03-04	6	5 .	4	5	,,	"
04-05*	Nil	Nil	Nil	Nil	,,	**
05-06*	,,	,,	"	,,,	?*	,,
1906-07	Nil	Nil	Nil	. Nil	Nil	Nil
07-08	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09*	Nil	Nil	Nil	Nil'	Nil	Nil
09-10	,,	,,	_**	برو	,,	,,
10-11	27	22	20	23	0.001	0.1
1911-12	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13	,,			, ,,	,,,	"
13-14	,,	,,		,,	,,	,,
14-15	,,	23	33 37 m	,,	19	,,
15-16	**		"	9.7	,,	"
11 Years' Average	3	2	2	3	Nil	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
1946-47		And a f	5-1721		يسيب عجوب السالة الأبرات	
47-48		Constitution of the last				
48-49	19	20	15	18	0.001	Nil
49-50	5	न्द्राम		5	Nil	
50-51	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
1951-52	Nil	Nil	Nil	Nil	Nil	.Nil
52-53	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
53-54*	N.A.	N.A.	N.A.	. ,	•	(/
54-55	8	8,	8	8	Nil	Nil
55-56	14	11	8	11	0.001	,,
1956-57	23	18	16	19	0.001	Nil
57-58	(10)	(10)	(10)	(10)	(0.001)	(Nil)
58-59*	9	`8´	` 5	8	Nil	Nil
59-60	1,1	9	7	9	0.001	,,
60-61						
10 Years' Average	9	8	-7	8	0.001	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
21 Years' Average	6	5	4	5	Nil	Nil

^{*} Not considered for calculating the average.

SERIAL No. 44

Month MARCH River SINA (BHIMA) Site HATWALAN Mean discharge (Cusecs) Volume of flow for Year the month Whole (June to May) 11-20 21-31 1-10 month M.A.F.T. M. C.1901-02 02 - 03Nil Nil Nil NilNil Nil 03-04 ,, ,, ,, ,, ,, ,, 04-05* ,, ,, ,, ,, ,, 73 05-06* ,, ٠, ,, ,, ,, ٠, 1906-07 Nil Nil Nil NilNil Nil 07 - 08(Nil) (Nil) (Nil) (Nil)(Nil) (Nil) Nil Nil08.09*Nil Nil Nil Nil 09-10 " 19 16 ,, 14 16 0.00110-11 ,, 1911-12 (Nil) (Nil) (Nil) (Nil)(Nil) (Nil) 12-13 ,, ,, ,, 13-14 ,, 99 ,, ,, 14-15 ,, ,, ,, 15-16 33 22 3 3 3 1 ,, ,, 1 11 Years' Average 2 1 $\dot{N}il$ Nil1946-47 47-48 48-49 10 g0.001 Nil प्रयोग ज्ञायन 49-50 3 Nil 50-51 (Nil) (Nil) (Nil) (Nil)(Nil) (Nil) 1951-52 (Nil) (Nil) (Nil) (Nil) (Nil) (Nil) 52 - 53,, ., N.A. 37 N.Ä. N.Ä. 53.54* 54-55 7 7 7 Nil в Nil 6 55-56 5 3 5 ,, 1956-57 12 10 9 10 0.001 Nil в 4 6 57-58 8 Nil ,, 58-59* 4 4 3 4 ,, 12 3 6 59-60 5 ,, ,, 60-61 10 Years' Average 6 4 4 5 NilNil21 Years' Average 3 2 3 Nil Nil

^{*} Not considered for calculating the average.

Year	Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month.	M.A.F.	T. M. C	
1901-02			<u> </u>				
02-03	Nil	Nil	Nil	Nil	Nil	Nil	
03 04	,,	,,	**	,,	7.1	**	
04-05* 05-06*	**	,,	**	**	"	,,	
05-06", , ,	,,	,,	,,	**	**	"	
1906-07	Níl	Nil	Nil	Nil	Nil	Nil	
07-08	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
08-09*	Nil	Nil	Nil	Nil'	Nil	Nil	
09-10					,,	,,	
10.11	12	"9"	2	$\ddot{7}$,,	,,	
1911-12	(37th)	6 13	NY ()	(AT : 1)	/3/:1\	(Nil)	
	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	•	
12-13 13-14	27		·	,,	19	91	
14-15	"	VI. PLES	,,	• •	"	ÿ,	
15-16	32	99	"	• •	,,	**	
10-10) ;	1997	37	,	, , , , , , , , , , , , , , , , , , , 		
11 Years' Average	1	(i.+)	Nil	1	Nil	Nil	
1946-47							
47-48							
48-49	4	74111	FUE 2	3	Nil	Nil	
49-50	4	3	2	3	**	7,	
50-51	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
1951-52	(Nil)	(Nil)	(Nil)	(Ni)	(Nil)	(Nil)	
52-53	**	79	,,	,	,,	,,	
53-54*	N.A.	N.A.	N.Ä.				
54-55	6	5	3	5	Nil	Nil	
55 -5 6	3	5	4.	4	***	7,	
1956-57	63	12	7	27	0.002	0.1	
57-58	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	
58-59*	2	3	1	2	Nil	Nil	
59-60	$\bar{2}$	$\overset{\circ}{2}$	Ĩ	2	,,	17	
60-61	_				• • • • • • • • • • • • • • • • • • • •		
10 Years' Average	8	3	2	4	Nil	\overline{Nil}	
21 Years' Average	4	2	1	2	Nil	Nil	

^{*} Not considered for calculating the average.

River SINA (BHIN			TWALAN		Mon	
Year -		Mean dischar		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M, A , F .	T. M. C
1901-02						
02-03	Nil	\mathbf{N} il	Nil	Nil	Nil	Nil
03.04	,,	**	,,	79	,,	,,
04-05*	• •	,,	,,	29	, ,	**
05-06*	,,	29	**	"	9.5	**
1906-07	1	Nil	Nil	Nil	Nil	Nil
07-08	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
08-09*	Nil	Nil	Nil	Nil	Nil	Nil
09-10			74.		29	,,
10-11	. 1	A.	" 5	2	**	33
1911-12	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
12-13	,,,		,,	,,,	,,	13
13-14	**	47-1188	,,	,,	,,	1,
14-15	**	1	,,,	,,	,,	,,
15-16	,,		11 22	,,	. ,,	13
11 Years' Average	\overline{Nil}	Nil	Nil	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	Nil
1946-47		102 3 32	A STATE OF			
47-48		in a principal	वगर्व			
4 8-49	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
49-50	1	Nil	4	`2	Nil	Nil
50-51	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nii)
1951-52	(Nil)	(Nil)	(Nil)	(Nil)	(Nil,	(Nil)
52-53	"	33	,,,	>>	,,	,,
53-54*	N.Å.	N.A.	N.A.			
54-55	2	1	1	1	Nil	Nil
55-56	383	7	534	315	0.019	0.8
1956-57	4	2	10	6	Nil	Nil
57-58	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)	(Nil)
58-59*	1	1	5	2	Nil	Nil
59-60	1	8	10	7	,,	,,
60-61						
10 Years' Average	39	2	56	33	0.002	0.1
21 Years' Average	19	1	27	16	0.001	Nil

^{*} Not considered for calculating the average.

River SINA (BHIM.	A)	Site WA	DAKBAL		Month J	ANUARY
Year		Mean discha	Volume of flow for			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1951-52 52 53	(5)	5	4	5	Nil	Nil
53-54 54-55 55-56	9	8	9	9	0.001	į,
1956-57	105 (139) 96 (62)	99 (139) 150 (76)	93 139 128 (70)	99 139 125 (70)	0.006 0.009 0.008 (0.004)	0.3 0.4 0.3 (0.2)
5 Years' Average	62	76	70	70	0,004	0.2
			Y SI Y Halanta		Month FI	BRUARY
Year		Mean discharge (Cusecs)			Volume of flow for the month	
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C
1951-52	5 8	5 7	5 7	5 7	Nil ,,	Nil ,,
1956-57	100 126 114 52	96 127 118 70	98 125 109 60	98 126 114 60	0.005 0.007 0.007 0.003	0.2 0.3 0.3 0.1
5 Years' Average	61	65	61	62	0.003	0.1

^{*} Not considered for calculating the average.

River SINA (BHI	MA)	Site W	ADAKBAL		Month	MARCH
Year		Mean dische	arge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T.M.C.

5 Years' Averag		58	54	57	0.003	0.1
60-61	. 57	59	41	52	0.003	0.1
59-60	. 102	97	90	96	0.006	0,3
58-59	. 126	125	128	126	0.008	0.3
57-58*	. 97	101	92	96	0.006	0.3
195 6 -57	,					
55-56	,					
54-55	•				,	
53-54	, ∙6	-6	6	6	,	,,
52-53	• 6	न-प्रमंब र	ं ठः	5	. 31	39"
1951-52*	. 2	2	2	2	Nil	Nil
		\				

^{*} Not considered for calculating the average.

SERIAL No. 45

River SINA (BHIMA)

Site WADAKBAL

Month APRIL

		Mean dische	arge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.

					A	50 21			
1949-50*				31	26	17	25	0.001	0.1
50-51	•	•	•						
1951-52*				2	3.	2	2	Nil	Nil
52-53				4	6	5	5	"	,,
53-54				6	5 - 7	विजय-6	6	9 9	
54-55		•							
55-56	•	•	•						
1956-57		•	٠						
57-58	٠,		•						
58-59	•	•	•	123	120	126	123	0.007	0.3
59-60		•	. •	92	88	89	90	0:005	0.2
60-61			٠	56	38	38	44	0.003	0.1
5 Years'	Ave	ra	ge ···	56	51	53	54	0.003	0.1

^{*} Not considered for calculating the average.

SERIAL No. 45

River SINA (BHIMA)

Site WADAKBAL

Month MAY

		Mean disch	arge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.

127 122 83 54	98 122 41 31	97 Nil 77 57	107 79 68 48	0.007 0.005 0.004 0.003	0.2 0.2 0.1
122	122	Nil	79	0.005	0.2
127	98	97	107	0.007	0 3
127	98	97	107	0.007	0 3
(4)	(4)	네리 키니(4)	(4)	(Nil)	(Nil)
4	4	4	4_	**	**
2	2	(1)	2	Nil	Nil
13	8	3	8	Nil	Nil
	2 4	2 4 4	2 2 1	13 8 3 8 2 1 2 4 4 4	13 8 3 8 Nil 2 2 1 2 Nil 4 4 4 ,

^{*} Not considered for calculating the average.

River EKRUK NAI		Mean dischar	RUK TANI		Volume of j	h JUNE	
Year -			<u> </u>	Whole	Whole the month		
(June to May)	1-10	11-20	21-30	month	M. A. F.	T. M. C	
944-45	Nal	·38	Nil	13	0.001	Nil	
45-46	,,	Nil	52	17	0.0 01	**	
1946-47	39	104	Nil	48	0.003	0.1	
47-48	5		201	70	0.004	0.2	
48-49	Nil	Nil	Nil	Nil	Nil	Nil	
49-50	,,	116	672	262	0.016	0.7	
50 51	133	Nil	12	48	0 003	0.1	
7 Years' Average	25	37	134	65	0.004	0.2	
1951-52	Nil	Nil	541	180	0.011	0.5	
52-53	383	-4	Nil	129	0.008	0.3	
53-54	Nil	439	,,	146	0.009	0.4	
54-55	3 30	124	124	193	0.011	- 0.5	
55-56	Nil	118	26	48	0.003	0.1	
1956-57	Nil	44	25	23	0.001	0.1	
57-58	,,	Nil	252	8 4	0.005	0.2	
58-59	,,	•	Nil	Nil	Nil	Nil	
59-60	240	6	,,	82	0.005	0.2	
60-61	85	13	10	36	0.002	0.1	
10 Years' Average	104	75	98	92	0,005	0.2	
17 Years' Average	71	59	113	81	0.005	6.2	

SERIAL No. 46

1		Mean discha	rge (Cusecs)		Volume of flow for	
Year	4 40			Whole	the m	
(June to May)	1-10	11-20	21-31	month	M.A.F.	T M C
1944-45	183	109	57	114	0.006	0.2
45-46	Nil	Nil	158	56	0.003	0.1
1946-47	2	2	8	4	Nil	Nil
47-48	24	51	12	29	0.002	0.1
48-49	Nil	-1	36	13	0.001	Nil
49-50	197	\78	299	195	0.012	0.5
50-51	Nil	Nil	14	5	Nil	Nil
7 Years' Average	58	25	83	56	0.003	0.1
1951-52	Nil	974	Nil	314	0.019	0.8
52-53	,,	439	15	147	0.009	0.4
53-54	9	103	5,346	1,933	0.119	5 .2
54-55	113	705	3,448	1,487	0.091	4.0
55-56	125	Nil	652	272	0 017	0.7
1956-57	11	165	2,810	1,054	0.065	2.8
57-58	12	Nil	194	73	0.004	0.2
58-59	Nil	49	Nil	16	0.001	Nil
59-60	13	16	1	10	0.001	11
60-61	Nil	Nil	45	16	0.001	,,
10 Years' Average	28	245	1,251	532	0.033	1.4
17 Years' Average	41	155	770	336	0.021	0.9

SERIAL No. 46

1		Mean disc.	harge (Cusecs)	Volume	of flow for
Year			1	Whole	the m	
(June to May)	1-10	11-20	21-31	month	M.A.F.	T.M.C.
1944-45	4	Nil	Nil	1	Nil	Nil
45-46	168	101	26	96	0.006	6.8
1946-47	16	36	76	44	0.003	0.1
47-48	103	394	511	341	0.021	0.9
48-49	1,115	280	27	460	0.028	1.2
49-50	298	163	·58.	169	0.010	0.5
50-51	Nil	Nil	35	13	0.001	Nil
7 Years' Average	243	139	105	161	0.010	0.4
1951-52	642	142	163	311	0.019	0.8
52-53	9		Nil	3	Nil	Nil
53-54	1,064	299	58	460	0.028	1.2
54-55	1,064	459	163	549	0.034	1.5
55-56	1,309	547	1,683	1,196	0.074	3.2
1956-57	741	58	106	295	0.018	0.8
57-58	251	505	110	283	0.017	0.8
58-59	29	1,701	1,548	1,107	0.068	3,0
59-60	11	Nil	535	194	0.012	0.5
60-61	Nil	,,	Nil	Nil	Nil	Nil
10 Years' Average	512	371	437	440	0.027	1.2
17 Years' Average	401	276	300	325	0.020	0.9

Year		Mean discha	rye (Cu s ecs)		Volume o	Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.		
1944-45	Nil	112	45	52	0.003	0.1		
45•46	162	7	Nil	56	0.003	0.1		
1946-47	120	13	18	50	0.003	0.1		
47-48	1	104	355	153	0.009	0.4		
48-49	28	118	1,277	473	0.028	1.2		
49-50	1,425	459	8,715	3,533	0.210	9.2		
50-51	423	401	486	438	0 026	1.1		
7 Years' Average	308	175	1,555	680	0.040	1.8		
1951-52	299	150	299	250	0.015	0.6		
52-53	Nil	9	470	160	0.009	0.4		
53-54	1,098	1,302	-952	1,117	0 066	2.9		
54-55	1,180	377	1,064	874	0.052	2.3		
<i>55-5</i> 6	105	105	377	196	0.012	0.5		
19 56-57	1,302	163	741	735	0.044	1.9		
57- 58	258	846	58	387	0.023	1.0		
58-59	1,302	163	58	508	0.030	1.3		
59- 60	738	24 6	278	421	0.025	1.1		
60-61	80	734	510	441	0.026	1.1		
10 Years' Average	636	410	481	509	0.030	1.3		
17 Years' Average	501	313	923	579	0.034	1.5		

River EKRUK NA			EKRUK TA	NK		CTOBER	
Year]	Mean discha	rge (Cu s ecs)_	Whole	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C	
1944-45	3	4	182	61	0.005	0.2	
45-46	Nil	2	2	1	Nil	Nil	
1946-47	33	Nil	Nil	11	0.001	Nil	
47-48	45	62	12	39	0.002	0.1	
48-49	1,546	841	364	899	0.055	2.4	
49-50	710	377	459	514	0.032	1.4	
50-51	655	377	298	439	0.027	1.2	
7 Years' Averege	429	237	191	283	0.017	0.8	
1951-52	952	163	58	380	0.023	1.0	
52-53	39	7.5%	Nil	15	0.001	Nil	
53-54	2,390	1,300	1,543	1,738	0.107	4.7	
54-55	841	341	341	502	0.031	1.3	
55-56	299	58	20	122	0.008	0.3	
195 5-57	1,064	1,064	105	724	0.045	1.9	
57-5 8	163	Nil	377	187	0.011	0.5	
58-59	58	105	58	73	0.004	0.2	
59-60	846	163	299	432	0.027	1.2	
60-61	29	12	Nil	13	0.001	Nil	
10 Years' Average	668.	321	280	419	0.026	1.1	
17 Years' Average	570	287	243	363	0.022	1.0	

SERIAL No. 46

Year		Mean dische	arge (Cusecs)	1	Volume of the m	f flow for
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1944-45	46	Nil	Nil	4	Nil	Nil•
45-46	Nil	,,	,,	Nil	17	71
1946-47	10	10	Nil	7	Nil	Nil
47-48	Nil	40	29 2022a 29	13	0.001	• •
48-49	135	547	741	474	0.028	1.2
49-50	58	Nil	Nil	19	0.001	Nil
50-51	20		,,	7	Nil	,,
7 Years' Average	33	85	106	75	0.004	0.2
1951-52	Nil	NII	Nil	\overline{Nil}	Nil	Nil
52-53	,,	() () () () () ()		**	, 1	**
53-54	228	57	व नयने भ	95	0.006	0.2
54-55	120	Nil	**	<i>40</i>	0.002	0.1
5 5-56	20	,,	,,	7	Nil	Nil
1956-57 ·	163	20	Nil	61	0.004	0.2
57-58	58	Nil	27	19	0.001	Nil
58-59	58	**	,,	19	0.001) 1
59-60	120	120	,,	80	0.005	0.2
60-61	Nil	Nil	> 3	Nil	Nil	Nil
10 Years' Average	77	20	Nil	32	0.002	0.1
17 Years' Average	59	47	44	50	0.003	0.1

Year		M ean discho	arge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.	
1944-45	4	4	8	5	Nil	Nil	
45-46	Nil	Nil	Nil	Nil	,,	9 9	
1946-47	Nil	Nil	Nil	Nil	Nil	Nil	
47-48	,,	,,	9.2	"	,,	95	
48-49	299	105	.m., -1	130	0.008	0.3	
49-50	Nil	Nil		Nil	Nil	Nil	
50-51	**	••		,,	**	**	
7 Years' Average	43	15	Nil	19	0.001	0.1	
1951-52	Nil	Nil	Nil	Nil	Nil	Nil	
52-53	5 3			**	**	**	
53-54	,,	#- 3 ii	F GNA ''	,,	,,	12	
54-55	**	2.3 E. d. M. M.	H 447	,,	,,	,,	
5 5 -56	11	,,	,,	,,	,,	• • •	
1956-57	Nil	Nil	Nil	Nil	Nil	Nil	
57- 58	,,	,,	,,	,,	,,	,,	
58-59	,,	,,	,,	* *	**	,,	
59-60	,,	,,	**	19	"	,,	
69-61	,,	,,	**	,,	**	,	
10 Years' Average	Nil	Nil	Nil	Nil	Nil	Ni	
17 Years' Average		6	Nil	8	Nil	Ni	

River EKRUK NA	LLA (SINA)	Site	EKRUK TANK	Month	JANUARY	TO APRIL
Year		Mea n dis charge (Cusecs)			Volume of flow for	
(June to May)	1-10	11-20	21-End	Whole month	M.A.F.	month T. M. C.
1944-45	Nil	Nil	Nil	Nil	Nil	Nil
45-46	**	,,	**	"	",	*7
1946-47	Nil	Nil	Nil	Nil	Nil	Nil
47-48	133	29	500000 P	,,	,,	,,
48-49	39	400		,,	وو	,,
49-50	***	S. 192		,,	,,	**
50-51	19		,,	,,	**,	33 ·
7 Years' Average	$oldsymbol{Nil}$	Nil	Nil	Nil	Nil	Nil
1951-52	Nil	Nil	Nil	Nil	Nil	Nil
52-53	>>	99		**	3 7	19
53-54	,,	99	रमेन नयन,	,,	"	,,
54-55	,,	**	**	**	,	,,
5 5-56	,,	,,	7>	**	,,	**
1956-57	Nil	Nil	Nil	Nil	Nil	Nil
57-58	**	,1	,,	**	,,	• • • • • • • • • • • • • • • • • • • •
58-59	,,	,,	**	,,	"	,,
59 -60	**	99	19	,,	,,	,,
60-61	35	,,	**	**	,,	**
10 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil
17 Years' Average	Nil	Nil	Nil	Nil	Nil	Nil

	<u></u>	Mean discha	Volume of flow for			
Year (June to May)	1.10	1-20	21-31	Whole	the m	1
(5 0.10 10 111 119)	1.10	1-20	ρ1- 3 1	Month	M. A. F.	T. M. C
1943-44*	Nil	Nil	Nil	Nil	Nil	Nil
44-45	**	,,	**	,,	**	,,
45-46	**	**	46	16	0.001	**
1946-47	5	Nil	Nil	2	Nil	Nil
47-48	Nii	**		Nil	,,	,,
48-49	,,	14		5	**	**
49-50	,,	Nil		Nil	,,	,,
50-51	22	•	,	,,	**	"
7 Years' Average	1	2	7	3	Nil	Nil
1951-52	Nil	Nil	285	101	0.006	0.3
52-53	**	Tito Six	Nil	Nil	Nil	Nil
5 3-54	**	याम	5 SUÁ"	,,	,,	,,
54-55	,,	*1 44	101	36	0.002	0.1
55-56	**	20	88	38	0.002	0.1
1956-57	Nil	Nil	Nil	Nil	Nil	Nil
57-58	,,	41	,,	14	0.001	,,
58-59 ,	,,	Nil	,,	Nil	Nil	,,
59-60	,,	**	,,	**	**	,,
60-61	**	52	43	32	0.002	0.1
10 Years' Average	Nil	11	52	21	0.001	0.1
17 Years' Average	Nil	7	33	14	0.001	Nil

^{*} Not considered for calculating the average.

River TUNGABHA	DRA	Site H	IALLUR	Month JUNE		
Year		Me an dischar	ge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. C. M.
		.,	S			
1951-52	809	6,669	8,993	5,490	0.327	14.2
52-53	290	901	8,773	3,321	0.198	8.6
53-54	82	102	6,400	2,195	0.131	5.7
54-55	7,196	8,278	5,902	7,125	0.424	18.5
4 Years' Average	2,094	3,988	7,517	4.533	0.270	11.8
		7			M_{O}	ath JULY
:	Mean discharge (Cusecs)		Volume of flow for			
Year		기상 사건이	度1.50%	Whole	the m	
(June to May)	1.10	11-20	21-31	month	M. A. F.	T. M. C.
1951-52	3,067 7,788 65,497 31,119	5,872 5,259 11,805 45,443	34,061 22,685 17,326 13,979	14,970 12,258 31,084 29,658	0.920 0.754 1.911 1.824	40.1 32.8 83.3 79.4
4 Years' Average	26,868	17,095	22,013	21,992	1.352	58.9
					Month	AUGUST
Year		Mean discharge (Cusecs)			Volume of flow for	
(June to May)	<i>1-10</i>	11-20	21-31	Whole	the m	
		1		month	M. A. F.	T. M. C.
1951-52	21,588	12.457	11,852	15,188	0.934	40.7
52-53	21,675	22,590	22,726	22,330	1.373	59.8
53-54	45,383	62,902	15,704	40,502	2.490	108.5
54-55	50,218	27,223	9,625	28,397	1.746	76.1
4 Years' Average	34,716	31,293	14 977	26,604	1 636	71.3

		SERIA	1L No. 47			
River TUNGABHA	ADRA	Site	HALLUR		Month SEP	TEMBER
<u> </u>		Mean discha	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T.M.C.
1951-52	3,246	2,978	4,540	3,588	0.214	9.3
52-53	5,214	2,178	1,696	3,030	0.180	7.9
53-54	6,628	4,952	3 322	4,967	0.296	12.9
54 -55	12,476	6,268	8,077	8 940	0.532	23 .2
4 Years' Average	6,891	4,094	4,409	5.131	0.305	13.3
					Month O	CTOBER
Year		Mean discharge (Cusecs)				f flow for
Year (June to May)	1-10	11-20	21-31	$Wh \cap le$ $month$	M.A.F.	T.M.C.
1951-52	9,468 6,054 4,837 4,886	3,569 9,733 8,215 2,587	1,649 2,695 7,798 3,651	4,790 6,049 6,977 3,706	0.295 0.372 0.429 0.228	12.8 16.2 18.7 9.9
4 Years' Average	6,311	6,026	3,948	5,380	0.331	1.44
		,			Month NO	VEMBER
Ÿear -		Mean discha	rge (Cusecs)		Volume of the m	flow for
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.
1951-52	1,217 1,619	804 1,171	1,263 941	1,095 1,244	0.065 0.074	2.8
53-54	4,369	1,668	1,029	2,355		3.2
54-55	1,352	936	793	1,027	0.140 0.061	6.1 2.7
4 Years' Average	2,139	1,145	1,006	1.430	0.085	3.7
 	,					٠

SERIAL No. 47

River TUNGABHA	ADRA	A Site HALLUR		Month DECEMBER		
Mean discharge (Cusecs)			Volume of flow for			
Year (June to May) 1-10	1 10	77.00	07.07	Whole	the m	onth
	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1951-52	730	51 3	368	532	0.033	1.4
52-53	890	1,071	780	913	0.056	2.4
53-54	973	666	456	690	0.042	1.8
54-55	639	733	622	664	0.041	1.8
4 Years' Average	808	746	556	700	0.043	1.8

Month JANUARY

V		Mean discharge	(Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c }\hline & the \ m\\\hline M.\ A.\ F.\end{array}$	T. M. C.
1950-51*	1,046	826	712	857	0.053	2.3
1951-52	372	278	267	304	0.019	0.8
52-53	655	551	489	563	0.035	1.5
53.54	299	300	312	304	0.019	0.8
54-55	398	326	229	315	0.019	0.8
4 Years' Average	431	364	324	372	0.023	1.0

Month FEBRUARY

Year (June to May)		Mean discha	$Volume\ of\ flow\ for \ the\ month$			
	1-10	11-20	21-28/29	$Whole \\ month$	M. A. F.	T. M. C
1950-51*	613	521	424	526	0.029	1.3
1951-52	370	383	282	348	0.020	0.9
52-53	418	291	231	319	0.018	0.8
53-54	591	846	.,185	840	0.047	2.0
54-55	1,094	1,038	670	953	0.053	2.3
4 Years' Average	618	640	592	615	0.034	1.5

^{*} Not considered for calculating the average.

SERIAL No. 47

River TUNGABHA	DRA	Site	HALLUR		Month	MARCH
		Mean discha-	rge (Cusecs)		Volume of flow for	
Year				Whole	the n	nonth
(June to May)	1-10	11-20	21-31	21-31 month	M.A.F.	T. M. C.
1950-51*	287	225	290	268	0.016	0.7
1951-52	300	200	229	242	0.015	0.6
52-53	171	122	144	135	0.008	0.4
$53\ 54$	1,120	650	775	846	0.052	2.3
54-55	707	573	524	599	0.037	1.6
4 Years' Average	574	386	410	456	0.028	1.2

Month APRIL

		Mean discharge	(Cusecs)		Volume of flow for the month M. A. F. T. M. C	
Year (June to May) 1-10	1-10	11-20	11-20 21-30			
1950-51*	215	220	291	242	0.014	0.6
1951-52	285 160	209 120	258 65	251 115	0.015	0.7
$52-53 \dots 53-54 \dots$	689	861	956	835	0.007 0.050	0.3 2.2
54-55	614	1,051 国内自	1,187	951	0.057	2.5
4 Years' Average	437	560	616	538_	0.032	1.4

Month MAY

		Mean discha	rge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c }\hline M. A. F. \end{array}$	T M. C
1950-51*	298	485	425	404	0.025	1.1
1951-52	385	311	193	293	0.018	0.8
$52-53 \cdot \cdot \cdot$	160	120	71	116	0.007	0.3
53-54	1,009	1,015	1,210	1,082	0.067	2.9
54-55	812	791	(750)	783	0.048	2.1
4 Years' Average	592	559	556	568	0.035	1.5

^{*} Not considered for calculating the average.

		N				
River TUNGABHA	DRA	Site	HARIHAR		Mo	nth JUNE
V		Mean discha	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1951-52	3,607 297 126 8,127 2,297	9,432 1,084 141 14,154 5,566	16,761 9,868 11,391 8,428 23,652	9,933 3,750 3,886 10,266 10,505	0.591 0.223 0.231 0.611 0.625	25.7 9.7 10.1 26.6 27.2
4 Years' Average	5,744	6,203	11,612	6.959	0.414	18.0
		1			Mo	nth JULY
Year (June to May)		Mean disch	arge (Ousecs)		of flow for nonth
	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C.
1951-52	10,148 10,289 108,988 35,385 31,650	9,030 8,460 27,067 50,192 15,763	50,876 26,664 30,144 14,889 13,761	24,239 15,509 54,691 33,489 20,177	1.490 0.954 3.363 2.059 1.241	64.9 41.5 146.5 89.7 54.0
4 Years' Average	e 41,202	23,687	30,718	31,982	1.966	85.6
					Month	AUGUST
Year	-	Mean dische	arge (Cusecs)			f flow for
(June to May)	1-10	11-20	21 31	$Whole \\ month$	M. A. F.	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
1951-52	28,473 29,999 73,210 51,144 27,963	22,763 27,455 91,377 35,345 16,806	17,651 26,787 30,069 11,696 24,887	22,791 28,039 63,762 33,018 23,273	1.401 1.724 3.921 2.030 1.431	61.0 75.1 170.8 88.4 62.3
4 Years' Average	46,456	44,235	21,551	36,902	2.269	98.8

^{*} Not considered for calculating the average.

	SHILL	1L NO. 40						
RA	Site H	IAVANUR		Month SEP	TEMBER			
	Mean discharge (Cusecs)				Volume of flow for the month			
1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.			
B 769	& O45	0.089	# FEA	0.440	19.6			
					11.6			
			4,400		23.5			
					25.0			
			$\begin{array}{c} 9,645 \\ 24.606 \end{array}$		63.8			
9,826	6,414	6,811	7,684	0.457	19.9			
		M.		Month C	CTOBER			
Mean discharge (Cusecs)					Mean discharge (Queocs)		Volume o	f flow for
	70%, 19600	la and the state of		the n	nonth			
1-10	77-20	91-31						
1-10		7101	month	M.A.F.	T. M. C.			
	1.119	Lat Di						
					23.1			
					24.9			
					35.2			
	6,498	7,292		0.410	17.9			
23,023	10,941	23,060	18,8 6 8	1.160	50 5			
10,346	10.012	8,066	9,429	0.580	25.3			
				Month NO	VEMBER			
	Mean d ischa	rge (Cusecs)	**************************************	Volume o	f flow for			
			Whole	the n	nonth			
1-10	11-20	21-30	month	M. A. F.	T. M. C			
5,765	3,844	2,439	4,016	0.239	10.4			
·								
	2,093		2,012		6.5			
		1,377	1,774		4.6			
					15.4			
3,963	2,895	2,597	3,152	0.188	8.2			
5,046	2,650	2,364						
	1-10 6,763 6,998 11,669 13,874 29,766 9,826 1-10 15,614 10,062 9,542 6,165 23,023 10,346 1-10 5,765 2,844 2,296 11,079 3,963	Mean dischar: 1-10	RA Site HAVANUR Mean discharge (Cusecs) 1-10 11-20 21-30 6,763 6,047 9,853 6,998 3,549 2,911 11,669 8,691 6,790 13,874 7,370 7,691 29,766 17,352 26,701 Mean discharge (Cusecs) 1-10 11-20 21-31 Mean discharge (Cusecs) 1-,6165 6,498 7,292 23,023 10,941 23,060 Mean discharge (Cusecs) 1-10 11-20 21-30 Mean discharge (Cusecs) 1-10 11-20 21-30 5,765 3,844 2,439 2,844 2,093 2,598 2,296 1,701 1,377 11,079 3,910 2,885 3,963 2,895 2,597	Mean discharge (Cusecs) I-10 I1-20 21-30 Whole month	Mean discharge (Cusecs)			

^{*} Not considered for calculating the average.

Year (June to May) 1950-51* 1951-52 52-53 53-54		Site H. Mean discha	ARIHAR orge (Cusecs) 21-31	Whole	Volume	ECEMBER of flow for month
(June to May) 1950-51* 1951-52 52-53	1-10			Whole	Volume the	of flow for month
(June to May) 1950-51* 1951-52 52-53		11-20	21-31	Whole	the	month
1950-51*					the month	
1951-52	1,648			month	M.A.F.	T. M. C.
52-53		1,296	1,241	1,390	0.085	3.7
	1,612	1,294	1,196	1,365	0.084	3.7
	1,206	1,621	1,148	1,336	0.082	3.6
	2,559	1,940	1,600	2.019	0.124	5.4
54-55	2,073	1,897	2,004	1,992	0.122	5.3
4 Years' Average	1,862	1,688	1,487	1,678	0.103	4.5
		40			Month	JANUARY
	I	Mean discharge (Cusecs)			Volume of flow for	
Year	1	\$E1 4029		Whole	the 1	month
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C
	}	1 J G	14 (1 P)			
1950-51*	1,086	1,026	803	966	0.059	26
1951-52	781	531	377	557	0.034	1.5
52 53	868	758	607	740	0.046	2.0
53-54	1,352	1,405	1,472	1,409	0.087	3.8
54.55	1,671	1,311		1,351	0.083	
0±-00 , , ,	1,071	r 'Or I'd al-	4 = 1,007		0.003	3.6
4 Yers' Average	1,168	1,001	888	1,014	0.062	2.7
		,			Month F	EBRUARY
	Δ	Mean dischar	rge (Cusecs)		Volume of flow for	
Year	1	. 1		Whole	the	month
(June to May)	1-10	11-20	2 -28/29	month	M. A. F.	T, M , C
1950-51*	701	684	53 8	648	0.036	1.6
	0.47	450	400	410		
1951-52	345	458	429	410	0.024	1.0
52-53	465	304	257	3 4 8	0.019	0.8
53-54	622	604	6:0	612	0.034	1.5
	628	622	354	54 8	0.030	1.3
54-55	040	024			U.UUU	2.0

^{*}Not considered for calculating the average.

SERIAL No. 48

River	TUNG	ABH.	ADRA
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Site HARIHAR

Month MARCH

Year (June to May)	I	Iean dischar	Volume of flow fo the month			
	1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.
1950-51*	364	252	275	296	0.018	0.8
1951-52	341	285	201	274	0.017	0.7
52-53	195	166	116	157	0.010	0.4
53-54	449	303	424	393	0.024	1.1
54-55	397	337	357	363	0.022	1.0
4. Years' Average	346	273	274	297	0.018	0.8

Month APRIL

		Mean dischar	Volume of flow for				
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	$rac{F. \ T. \ M. \ C.}{T}$	
1950-51*	166	328	381	292	0.017	0.8	
1951-52	148 149 366 376	108 452 519 574	285 487 540 898	181 363 475 616	0.011 0.022 0.028 0.037	0.5 0.9 1.2 1.6	
4 Years' Average	260	413	552	409	0.024	1.0	

Month MAY

		Mean di cha	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c }\hline & the \ month\\\hline M.\ A.\ F. & T.\\\hline \end{array}$	1
1950-51*	355	591	308	418	0.026	1.1
1951-52	501 215 711 649	319 120 544 2,249	236 92 626 22,578	348 141 627 8,946	0.021 0.009 0.039 0.550	0.9 0.4 1.7 24.0
4 Years' Average	519	808	5,883	2,516	0.155	6.8

^{*} Not considered for calculating the average.

River TUNGABHAI			AVANUR		Mont	•
Y_{ear}		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1951-52	4,100	10,760	15,278	10,046	0.598	26.0
52-53	$\begin{array}{c} 354 \\ 188 \end{array}$	$\substack{\textbf{1,639}\\\textbf{384}}$	11,087 12,104	4,360 4,226	0.259	11.3
54-55	8,533	18.391	11,937	12,954	0.251 0.771	11.0 33.6
55-56*	2,630	5,030	20,500	9,386	0.559	24.3
4 Years' Average	3,294	7,794	12,602	7,896	0.470	20.5
	ν	- FEE	M _		Mon	th JULY
		Mean discha	rge (Cusecs)		Volume of	flow for
Year (June to May)	1-10	11.20	21-31	Whole	the m	
(0 10.000 12.009)	1-10			month	M. A. F.	T. M. C
1951-52	9,555	10,142	58,513	27,117	1.667	72.6
52-53	3,355 13,716	8,985	31,779	18,599	1.144	49.8
53-54	106,460	26,983	23,906	51,529	3.168	138.0
54-55	41,110	68,110	23,739	43,656	2.684	116.9
55-56*	32,430	13,984	12,005	19,232	1.183	51.5
4 Years' Average	42,710	28,555	34,484	35,225	2.166	94.3
						AUGUST
Year		Mean discharge (Cusecs)			Volume of flow j	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	Т. М. С
1951-52	32,193	26,817	19,068	25,802	1.587	69.1
52-53	33,178	31 110	29,557	31,226	1.920	83.6
53-54	67,477	100,553	30,186	64,915	3.991	173.9
54-55 · · ·	71,479	43,879	16,009	42,893 22,462	2.637 1.381	114.9 60.2
55-56*	26,339	17,046	23,860		1.001	
4 Years' Average	51,082	50,590	23,705	41,209	2.534	110.4

^{*}Not considered for calculating the average.

	N2320222	2 2101 40			
RA	Site H A	VANUR	<u>A</u>	fonth SEPI	EMBER
Ĵ	Mean discharg	Volume of flow for the month			
1-10	11-20	21-30	Whole month		T. M. C.
5 780	4 680	6 792	5.750	0.342	14.9
					12.8
		7 426			23.9
					33.6
27,809	15,593	20,774	21,392	1.273	55.4
10,815	6,978	6,867	8,220	0.489	21.3
	AND	12		Month O	CTOBER
	Mean discharge (Cusecs)			Volume of flow for	
1	the wat		Whole	the m	onth
1-10	11-20	21- 31	month	M.A.F.	T. M. C
. 1 . 001	7 / 1 1	M.Y.	0 804	A 17 44	
					23.5
					36.5
					37.4
					16.5
21,547	8,323	16,805	15,599	0.959	41.8
11,259	13,028	7,876	10,629	0.654	28.5
				Month NO	VEMBER
Mean discharge (Cusecs)				Volume of flow for	
1-10	11-20	21.30	·Whole		
			month	M, A, F	T. M. C
4,833	3,373	2,875	3,694	0.220	9.6
2,008	1,406	2,086	1,833	0.109	4.8
2,594	1,739	1,480	1,937	0.115	5.0
12,539	4,718	3,340	6,866	0.409	17.8
3,316	1,984	1,833	2,378	0.142	6.2
	1-10 5,780 7,840 11,381 18,258 27,809 10,815 1-10 17,221 9,620 10,092 8,104 21,547 11,259 1-10 4,833 2,008 2,594	Mean discharg 1-10	Mean discharge (Cusecs) 1-10 11-20 21-30	Mean discharge (Cusecs)	Mean discharge (Cusecs) Volume of the month 1-10 11-20 21-30 Whole month M. A. F. 5,780 4,680 6,792 5,750 0.342 7,840 3,960 3,058 4,953 0.295 11,381 8,816 7,426 9,208 0.548 18,258 10,454 10,191 12,967 0.772 27,809 15,593 20,774 21,392 1.273 10,815 6,978 6,867 8,220 0.489 Month Or Mean discharge (Cusecs) Volume of the month M. A. F. 17,221 6,796 2,941 8,791 0.541 9,620 26,812 5,253 13,616 0.837 10,092 14,078 17,361 13,956 0.858 8,104 4,425 5,948 6,152 0.378 21,547 8,323 16,805 15,599 0.959 11,259 13,028 7,876 10,629 0.

^{*}Not considered for calculating the average.

River TUNGABHAI	RA	Site I	IAVANUR		Month DE	CEMBER
. T.		Mean discha	rge (Cusecs)			f flow for
Year (June to May)	1-10	11-20	21,31	Whole mont	M. A. F.	T. M.C.
1950-51*	2,695	2,253	1,709	2,203	0.135	5.9
1951-52	1,451	1,233	1,088	1,252	0.077	3.4
52-53	1,322	1,861	1,281	1,481	0.091	4.0
53-54	3,390	2,764	2,529	2,883	0.177	7.7
54-55	1,738	1,7	1,586	1,675	0.103	4.5
4 Years' Average	1,975	1,892	1,621	1,823	0.112	4,9
					Month]	ANUARY
		Mean discha	rge (Cusecs)		Volume o	f flow for
Year		10070700	N GOVER	TT7 7 - 7 -	the m	onth
(June to May)	1-10	11-20	21-31	W hole month	M.A.F.	T. M. C.
1950-51*	1,310	1,085	982	1,121	0.069	3.0
1951-52	1,045	847	652	841	0.052	2.3
52-53	956	858	682	827	0.051	2.2
53-54	2,162	1,983	1,706	1,942	0.119	5.2
54-55	1,343	1,150	1,119	1,201	0.074	3:2
4 Years' Average	1,376	1,210	1,040	1,203	0.074	3.2
					Month F	EBRUARY
V		Mean dische	rge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C
1950-51*	883	598	536	682	0.038	1.6
10g1 g9	733	677	623	680	0.020	1.7
1951-52	506	320	263	370	0.039 0.021	0.9
53-54	1,245	1,233	1,315	1,261	0.071	3.1
54-55	1,105	1,016	766	976	0.054	2.4
4 Years' Average	897	812	742	822	0.046	2.0

^{*}Not considered for calculating the average.

River TUNGABHAD	RA	Site H	AVANUR		Month]	MARCH
Y		Mean discha	rge (Cusecs)	Volume of flow for the month		
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C.
1950-51*	420	334	256	334	0.021	0.9
1951-52	560	4Ì3	311	424	0.026	1.1
52-53	230	199	129	184	0.011	0.5
53-54	938	28 2	399	<i>535</i>	0 033	1.4
54-55	655	516	404	519	0.032	1.4
4 Years' Average	596	351	311	416	0.026	1.1
					Month	
-		Mean dische	arge (Cusecs)		Volume of flow fo	
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1950-51*	283	580	290	384	0.023	1.0
1951-52	210	139	1,461	603	0.036	1.6
52-53	219	294	455	323	0.019	0.8
53-54	403	420	460	428	0.015	1.1
54-55	381	750	1,277	803	0.048	2.1
4 Years' Average	303	401	913	539	0.032	1.4
	, , , , , , , , , , , , , , , , , , , 				Mon	th MAY
		Mean disch	arge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-31	Whole	the mo	nth
(Value to 114 ay)	1-10	11-20	21-01	month	M. A. F.	T. M. C.
1950-51*	478	1,365	1,459	1,112	0.068	3.0
1951-52	2,365	3,241	719	2,063	0.127	5.5
52-53	478	137	110	237	0.015	0.6
53-54	838	594	1,275	914	0.056	2.4
54-55	1,040	2,061	22,379	8,941	0.550	23.9
4 Years' Average	1,180	1,508	6,121	3,039	0.187	8.1

^{*}Not considered for calculating the average.

	BHHLAL	7, 110. UU			
DRA	Site H	ESRUR		Mon	th JUNE
	Mean dischar	ge (Cusecs)		Volume of	flow for
	1	1	Whole	the m	onth
1-10	11-20	21-30	month	M. A. F.	T. M. C.
4 209	16 606	00 010	16 560	0.000	40.0
					42.9
					14.9
4,410	22,685	14,788	13,961	0.350 0.831	15.2 36.2
4,156	6,022	18,002	9,393	0.559	24.3
	J. J.			Mon	th JULY
	Mean dische	rge (Cusecs)		Volume o	f flow for
	1 10 40	मीता रहे रहे रहे	177 - 7	the month	
1-10	11-20	21-31	month	M, A , F .	T. M. C
	3.)	THU I			
21 845	13 762	65 802	34 835	2 1/12	93.3
					56.9
	37 721				161.0
38,168	86,091	39,259	54,014	3.321	144.7
51,744	24,161	40,124	38,723	2.381	103.7
				Month	AUGUST
	Mean dìscha	rge (Cusecs)	····	Volume o	f flow for
			Whole	the n	nonth
1-10	11-20	21-31	month	M. A. F.	T. M. C.
32,920	45,935	23,997	33,952	2.088	90.9
32,432	27,942	30,578	30,326	1.865	81.2
86,264	114,366	46,316	81,154	4.990	217.4
84,622	66,287	25,771	57,825	3.556	154.9
50,539	62.748	33,630	48.477	2.981	129.8
	1-10 4,883 7,223 361 4,410 4,156 1-10 21,845 (15,000) 1,18,386 38,168 51,744 1-10 32,920 32,432 86,264 84,622	Mean dischar 1-10	Mean discharge (Cusecs) 1-10 11-20 21-30	Mean discharge (Cusecs)	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

^{*} Not considered for calculating the average.

	SMIT	L NO. 50				
DRA	Site	HESRUR		Month SEP	TEMBER	
	Mean dischar	rge (Cusecs)	`	Volume of flow for		
1-10	11-20	21-30	$Whole \\ month$	M.A.F.	T. M. C.	
15,524 13,499 19,358 26,560	11,364 8,019 14,676 19,971	12,591 7,425 13,614 20,467	13,160 9,648 15,883 22,332	0.783 0.574 0.945 1.329	34.1 25.0 41.2 57.9	
16,127	11,353	11,210	12,897	0.767	33.4	
				Month O	CTOBER	
	Mean dischar	ge (Cusecs)		Volume of		
1-10	11.20	21.31	Whole month	M, A, F	T. M. C.	
(12,000) 14,536 21,477 13,954	(11,500) 22,366 21,184 7,830	(11,000) 9,363 28,977 N.A.	(11,484) 15,226 24,044 12,540	(0.706) 0.936 1.478 0.771	(30.8) 40.8 64.4 33.6	
16,004	18,350	16,447	16,918	1.040	45.3	
				Month NO	VEMBER	
	Mean discha	rge~(Cusecs)		Volume of		
1-10 .	11-20	21-30	Whole month	M. A: F.		
8,797 10,422 6,644 19,380	7,195 6,910 4,891 4,669	4,695 6,811 4,129 3,247	6,896 8,047 5,222 9,099	0.410 0.479 0.311 0.541	17.9 20.9 13.5 23.6	
12,149	5,490	4,729	7,456	0.444	19.3	
	1-10 15,524 13,499 19,358 26,560 16,127 1-10 (12,000) 14,536 21,477 13,954 16,004 1-10 8,797 10,422 6,644 19,380	Mean dischar 1-10	Mean discharge (Cusecs) 1-10	DRA Site HESRUR	DRA Site HESRUR Month SEP Mean discharge (Cusecs) Whole month Volume of the month 1-10 11-20 21-30 Whole month Volume of the month 15,524 11,364 12,591 13,160 0.783 13,499 8,019 7,425 9,648 0.574 19,358 14,676 13,614 15,883 0.945 26,560 19,971 20,467 22,332 1.329 16,127 11,353 11,210 12,897 0.767 Month O Month O (12,000) (11,500) (11,000) (11,484) (0.706) 14,536 22,366 9,363 15,226 0.936 21,477 21,184 28,977 24,044 1.478 13,954 7,830 N.A. 12,540 0.771 Month NO Month NO Month NO Mean discharge (Cusecs) Whole month Vol	

^{*} Not considered for calculating the average.

River TUNGABHA	ADRA	Site H	ESRUR		Month DE	CEMBER	
Year		Mean discha	rge (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.	
1950-51*	4,913 3,576 4,074 3,840	3,488 2,783 5,500 3,641	2,362 2,561 2,997 2,869	3,5 48 2,960 4,1 52 3,431	0.218 0.182 0.255 0.211	9.5 7 9 11.1 9.2	
3 Years' Average	3,830	3,975	2,809	3,514	0.216	9.4	
		-CM			Month	JANUARY	
Year		Mean discharge (Cusecs)			Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M.A.F.	T. M. C	
1950-51*	2,220 3,803 2,215 2,283	1,698 3,846 1,660 2,163	1,286 3,114 1,399 2,701	1,720 3,673 1,746 2,393	0.106 0.220 0.107 0.147	4.6 9.6 4.7 6.4	
	2,767	2,556	2,405	2,571	0.158	6.9	

Year						me of flow for	
(June to May)	1-10	11-20	21 28/29	Whole month	M.A.F.	ronth T. M. O	
1950-51*	Nil 2,374 · 599 1,966	Nii 2,074 352 1,931	Nil 2,159 313 2,019	Nii 2,204 429 1,969	Nil 0.127 0.024 0.109	Nil 5.5 1.0 4.8	
3 Years' Average	1,646	1,452	1,497	1,534	0.687	3.8	

^{*} Not considered for calculating the average.

SERIAL No. 50

River	TUN	GABH	ADRA
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Site. HESRUR

Month MARCH

		Mean discharge (Cusecs)			Volume of flow for		
Ye (June to	(1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c c }\hline M. A. F. \end{array}$	nonth $T. M. C.$
1950-51*	• • •	Nil	Nil	Nil	Nil	Nil	Nil
51-52		1,034	604	751	795	0.049	2.1
52-53		322	199	146	220	0.014	0.6
53-54		1,719	1,082	453	1,064	0.065	2.8
3 Years'	Average	1,025	628	450	693	0.043	1.8

Month APRIL

		Mean discharge (Cusecs)		Volume of flow for		
Year (June to May)	1.10	11-20 21-30	Whole month	M. A. F.	T. M. C.	
		77754137			<u> </u>	
1950-51*	Nil	Nil	Nil	Nil	Nil	
51-52	328	303 378	336	0.020	0.9	
52-53	273	399 - 489	387	0.023	1.0	
53-54	643	976 683	767	0.046	2.0	
3 Years' Average	415	559 4 4 4 517	497	0.030	1.3	

Month MAY

			rge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21.31	W hole		nonth
(Same to may)	7-10	11-20	21.01	month	M.A.F.	T. M. C
1950-51*	Nil	Nil	Nil	Nil	Nil	Nil
51-52	503	373	2,516	1,175	0.072	3.1
52-53	436	14:	266	282	0.017	0.8
53-54	2,224	1,074	3,459	2,291	0.141	6.1
3 Years' Average	1,054	531	2,080	1,249	0.077	3.3

^{*} Not considered for calculating the average.

		Mean disci	harge (Cusecs)	Volume	of flow for
$Year$ $(June\ to\ May)$	1-10	11-20	21-30	Whole month	M. A. F.	
19 3 1-32 · · · · 32·33 · · · · · 33-34 · · · · · 34·35 · · · · · 35-36 · · · ·			<u> </u>	6,014 8,045 45,756 10,671 3,403	0.358 0.479 2.723 0.635 0.202	15.6 20.9 118.6 27.7 8.8
1936-37		i vita	une .	10,436 3,603 15,571 3,671 7,763	0.621 0.214 0.927 0.218 0.462	27:1 9:3 40:4 9:5 20:1
lo Years' Average		₹ ¢		11,493	0.684	29.8
1941-42		(E)	प्रवास्त्र प्रवास			
49-50	6,672	4,917	11,660	7,750	0.461	20.1
1951-52	13,501 4,223 (6,169) 6,303 4,861	12 314 2,778 (9,294) 29,985 6,420	21,108 11,326 (14,747) 16,982 17,326	15,641 6,109 (10,070) 17,757 9,536	0.931 0.364 (0.599) 1.057 0.567	40:5 15:8 (26:1) 46.0 24.7
1956-57	6,528 9,217 7,868 701 1,817	14,470 11,272 2,907 4,552 3,330	22,130 10,528 14,988 14,143 7,283	14,376 10,339 8,588 6,466 4,143	0.855 0.615 0.511 0.385 0.247	37-3 26-8 22-3 16-8 10-7
11 Years' Average	6,169	9,294	14,747	10.070	0.599	26/1

	NGABHA			BHADRA D		Mor	
Yea			Mean discl	Volume of flow for the month			
(June to	May)	1-10	11-20	21-31	Whole month	M. A. F	T. M. C
1931-32 32-33 33-34 34-35 35-36					30,320 110,314 89,264 73,446 31,336	1.864 6.783 5.489 4.516 1.927	81.2 295.5 239.1 196.7 83.9
1936-37 37-38 38-39 39-40 40-41			í Na		46,280 55,022 48,302 41,131 53,102	2.846 3.383 2.970 2.519 3.265	124.0 147.4 129.4 110.2 142.2
10 Years'	Average				57.852	3.557	155.0
1941-42 42-43 43-44 44-45 45-46 1946-47 47-48 48-49 49-50				पत्र जयन			
5 0-51	• • •	10,277	39,315	133,937	63,524	3.906	170.1
1951-52 52-53 53-54 54-55 55-5 6		12,491 25,586 134,478 44,673 49,141	11,689 13,391 48,252 86,814 11,672	86,258 44,824 26,513 41,200 10,783	38,407 28,478 68,353 57,034 23,443	2.362 1.751 4.203 3.507 1.441	102.9 76.3 183.1 152.8 62.8
1956-57 57-58 58-59 59-60 60-61	• • •	117,28 0 40,053 82,737 153,423 58,391	48,369 105,292 123,204 103,454 21,765	50,117 34,759 92,192 153,246 33,328	71,219 59,219 99 146 137,241 37,683	4.379 3.641 6.096 8.439 2.317	190.8 158.6 265.6 367.6 100.9
11 Years'	Average	66,230	55,747	64,287	62,159	3.822	166.5

Year		Mean discha	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1931-32				55,745 103,828 103,943 95,780 29,306	3.428 6.384 6.391 5.889 1.802	149.3 278.1 278.4 256.5 78.5
1936-37		خيـ ا ا		38,351 33,909 22,096 38,837 64,6 10	2.358 2.085 1.359 2.388 3.973	102.7 90.8 59.2 104.0 173.1
10 Years' Average				58,640	3.606	157.1
1941-42			न्युटे नयन			
49-50	63,926	50,809	29,129	47,347	2.911	126.8
1951-52	51,026 52,125 90,535 79,184 24,614	46,907 49,503 119,620 61,139 22,093	31,006 49,910 55,147 24,019 23,968	42,593 50,493 88,434 53,788 23,572	2.619 3.105 5.438 3.307 1.449	114 1 135.2 236 9 144.1 63.1
1956-57	71,173 23,917 34,906 58,700 82,143	49,525 27,660 75,588 41,025 44,278	30,549 59,345 57,318 47,612 24,433	49,775 37,696 55,982 49,064 49,451	3.061 2.318 3.442 3.017 3.041	133.3 101.0 149.9 131.4 132.4
11 Years' Average	57,477	53,468	39,312	49,836	3.064	133.5

AT Y		Mean discho		Volume of flow for the month		
Year (June to:May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M.C
19 31-32				28,932	1.722	75:0
3 2-33				66,890	3.980	173.4
33-34				87,609	5.213	227.1
34-35				21,173	1.260	54.9
35-36				24,790	1.475	64 .3
1936-37				17,312	1.030	44:9
37-38				11,705	0.696	30.3
38-39		-		16,307	0.970	42.3
39-40		100	2000	21,192	1.261	54.9
40-41		6743		15,833	0.942	41.0
10 Years' Average				31,174	1.855	8018
1941-42)o				
42-43		1000	11/1			
43.44						
44-45		A COL	1000			
45-46						
1946-47		10 2,31,50				
47-48		वकार्य	티 되다리			
48-49						
48-49 49-50						
	34,428	49,761	25,197	36,532	2.174	94.7
49-50			_			
49-50	11,622	9,750	9,779	10,383	0.618	26:9
49-50 50-51	11,622 18,326	9,750 10,110	9,779 7,762	10,383 12,066	0.618 0.718	26:9 31.3
49-50 50-51	11,622 18,326 18,332	9,750 10,110 16,957	9,779 7,762 14,412	10,383 12,066 16,567	0.618 0.718 0.986	26:9 31.3 42.9
49-50 50-51	11,622 18,326	9,750 10,110	9,779 7,762	10,383 12,066	0.618 0.718	26:9 31.3
49-50 50-51 1951-52 52-53 53-54 54-55 55-56	11,622 18,326 18,332 37,865 29,715	\$,750 10,110 16,957 13,326 19,280	9,779 7,762 14,412 12,929 44,635	10,383 12,066 16,567 21,374 31,210	0.618 0.718 0.986 1.272 1.857	26:9 31.3 42.9 55.4 80.9
49-50 50-51 1951-52 52-53 53-54 54-55 55-56	11,622 18,326 18,332 37,865 29,715	9,750 10,110 16,957 13,326 19,280	9,779 7,762 14,412 12,929 44,635	10,383 12,066 16,567 21,374 31,210	0.618 0.718 0.986 1.272 1.857	26:9 31:3 42:9 55:4 80:9
49-50 50-51 1951-52 52-53 53-54 54-55 55-56	11,622 18,326 18,332 37,865 29,715 14,704 21,992	9,750 10,110 16,957 13,326 19,280 13,163 13,584	9,779 7,762 14,412 12,929 44,635 14,066 8,407	10,383 12,066 16,567 21,374 31,210 13,978 14,661	0.618 0.718 0.986 1.272 1.857 0:832 0:872	26:9 31.3 42.9 55.4 80.9 36.2 38.0
49-50 50-51 1951-52 52-53 53-54 54-55 55-56 1956-57 57-58 58-59 59-60	11,622 18,326 18,332 37,865 29,715 14,704 21,992 41,341	9,750 10,110 16,957 13,326 19,280 13,163 13,584 25,818	9,779 7,762 14,412 12,929 44,635 14,066 8,407 25,262	10,383 12,066 16,567 21,374 31,210 13,978 14,661 30,807	0.618 0.718 0.986 1.272 1.857 0:832 0:872 1.833	26:9 31.3 42.9 55.4 80.9 36.2 38.0 79.9
49-50 50-51 1951-52 52-53 53-54 54-55 55-56 1956-57 57-58 58-59	11,622 18,326 18,332 37,865 29,715 14,704 21,992	9,750 10,110 16,957 13,326 19,280 13,163 13,584	9,779 7,762 14,412 12,929 44,635 14,066 8,407	10,383 12,066 16,567 21,374 31,210 13,978 14,661	0.618 0.718 0.986 1.272 1.857 0:832 0:872	26:9 31:3 42:9 55:4 80:9 36:2 38:0

ALLUCT I	UNGABH	IADRA		GABHADR/	DAM		OCTOBER
Ye	ar		Mean discha	rge (Cusecs)		Volume of the m	of flow for onth
(June to		1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1931-32					10,034	0.617	26.9
32-33					51,882	3.190	139.0
33-34					79,574	4.893	213.1
34 - 35					18,040	1.109	48.3
35-36					12,255	0.754	32.8
1936-37					13,032	0.801	34.9
37-38					16,951	1.042	45.4
38-39			-	was -	14,508	0.892	38.9
39-40			- 10	12/100	17,744	1.091	47.5
40-41			(F) (S)		17,182	1.056	46.0
10 Years	Average				25,120	1.544	67.3
1941-42			10 to 42	200			
42.43			1/11	111			
43 - 44			1.11.4	Mus			
44-45			A CHARLE	TERRITOR OF THE PARTY OF THE PA			
45-46			模立数	항공(건강)			
1946-47			1.000	the later of the l			
47-48			शका है	व सपन			
48-49			1 11	11 11 1			
49-50						1	
50-51		23,219	37,917	10,257	23,361	1.436	62.6
1951-52		28,034	12,415	6,613	15,404	0.947	41.3
52-53		24,212	36,330	13,907	24,465	1.504	65.5
53-54		25,694	27,337	38,542 .	30,783	1.893	82.4
54 - 55		12,262	8,262	11,454	<i>10,685</i>	0.657	28.6
55-56		28,7 50	13,616	30,000	24,311	1.495	65.1
1956-57		32,433	29,050	14,309	24,910	1.532	66.7
57-58		17,926	8,740	23,433	16,917	1.040	45.3
58-59		14,844	18,634	8,356	13,764	0.846	36.9
5 9-60		41,812	11,568	11,598	21,335	1.312	57.1
60-61		24,433	9,646	11,787	<i>15,176</i>	0.933	40.6
1 Years'		24,877	19,410	16,387	20,101	1.236	53.8

Year		Mean discha	rge (Cusecs)			f flow for
(June to May)	1-,10	11-20	21-30	Whole month	M. A. F.	T. M. C
1931-32				11,564 45,319 16,216	0.688 2.697 0.965	30.0 117.5 42.0
34-35				7,912 4,232	0.471 0.252	20.5 11.0
1936-37				7,177 3,905	0.427	18.6
37-38				3,905 3,182	0.232 0.189	10.1 8.2
38-39 39-40		- 50	NB T	10,069	0.599	26.1
40-41				7,279	0.433	18.9
10 Years' Average				11,686	0.695	30.3
1941-42		L.	STATE OF			
42-43		1.0				
43-44 44-45		65	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
45-46			\$ - (2)			
1946-47		1 200	In Control			
47-48		200	वि स्वयन			
48-49						
49-50						
50-51	8,520	6,895	3,990	6,468	0.385	16.8
1951-52	4.991	3,583	4,447	4,340	0.258	11.2
52-53	7,338	6,532	5,642	6 504	0.387	16.9
53-54	23,883	5,478	4,099	11,153	0.664	28.9
54-55	4,827	3,788	3.966	4,194	0.250	10.9
55-56	15,593	12,654	6,028	11,426	0.680	29 .6
	42,893	18,347	11,888	24,376	1.450	63.2
56-57			6,443	14,166	0.841	36.3
57-58	11,007	24,958	0,440			
57-58	11,007 5,513	4,341	4,821	4,892	0.291	12.7
57-58	11,007		4,821 4,934 9,788			

		Me an dischar		Volume of flow for		
Year (June to May)	1-10	11-20	21-31	W hole month	M.A. F.	$\begin{array}{c c} nth \\ \hline & T. \ M. \ C \end{array}$
1931-32				2,920 7,669 7,381 3,020 1,522	0.180 0.472 0.454 0.186 0.094	7.8 20.5 19.8 8.1 4.1
1936-37		v=An IJ		2,320 2,176 2,566 2,824 3,790	0.143 0.134 0.158 0.174 0.233	6.2 5.8 6.9 7.6 10.2
10 Years' Average				3,619	0.223	9.7
1941-42		ी है। विद्यास	न्यन नयन			
49-50	3,200	2,713	2,358	2,744	0.169	7.3
1951-52 52-53	3,247 4,818 2,833 3,046 4,668	2,280 6,056 2,286 2,675 3,832	1,718 3,671 2,469 3,013 2,147	2,392 4,810 2,527 2,915 3,504	0.147 0.296 0.155 0.179 0.215	6.4 12.9 6.8 7.8 9.4
1956-57	6,408 5,089 3,862 4,887 9,088	4,418 3,764 2,789 5,065 7,036	4,435 2,602 2,059 7,328 3,440	5,066 3,779 2,876 5,810 6,422	0.311 0.232 0.177 0.357 0.395	13.6 10.1 7.7 15.6 17.2
11 Years' Average	4,650	3,901	3,204	3,895	0:239	10.4

River TUNGABHAI	ORA Sit	e TUNGAI	SHADRA D	AM	Month	JANUARY	
		Mean discha	rge (Cusecs)		Volume of flow for the month		
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1931-32				172 3,993 4,406 1,927 926	0.011 0.246 0.271 0.118 0.057	0.5 10.7 11.8 5.2 2.5	
1936-37		حــــــــــــــــــــــــــــــــــــ	2	2,677 2,449 2,083 1,356 1,661	0.165 0.151 0.128 0.083 0.102	7.2 6.6 5.6 3.6 4.5	
10 Years' Average				2,165	0.133	5.8	
1941-42							
1946-47 47-48		वस्त्रवे	व संयन				
48-49 4 9-5 0 50 -5 1	1,692	1,188	1,196	1,353	0.083	3.6	
1951-52	1,333 2,580 2,183 1,800 2,546	1,109 1,933 1,879 1,450 3,357	846 640 1,278 1,615 4,238	1,088 1,683 1,764 1,621 3,408	0.067 0.103 0.108 0.100 0.210	2.9 4.5 4.7 4.3 9.1	
1956-57	3,678 1,670 1,411 4,805 2,195	2,872 1,433 1,111 2,769 1,282	1,654 1,406 2,032 1,750 1,273	2,700 1,500 1,535 3,064 1,574	0.166 0.092 0.094 0.188 0.097	7.2 4.0 4.1 8.2 4.2	
11 Years' Average	2,354	1,853	1,630	1,935	0 119	5 2	

Year	1	Mean dis ch a	Volume of flow for the month			
(June to May)	1-10	11-20	21-28 29	Whole month	M A F .	T, M, C
1931-32				2	Nil	Nil
32-53				2,186	0.121	5.3
5 34				2,128	0.118	5.1
34-35				1,292	0.072	3.1
35-56				<i>518</i>	0.030	1.3
1936-37				1,365	0 072	3.2
37-38 ;				480	0.027	1.2
38-39		(50)	in .	589	0.033	1.4
39-40		20475	tti/www	875	0.050	2.2
40-41		G1833	566	86 6	0.048	2.1
10 Years' Average				1,024	0.057	2.5
_		19 14 45				
1941-42		1000	2.14			
42-43		103	1.1.1			
43-44		ALC: ALC:	1000			
44-45		467.50				
45-46		liter Six				
1946-47		-				
47-48			두 두시구			
48-49						
49-50*	495	366	379	416	0.023	1.0
50-51	986	751	568	784	0.044	1.9
	684	628	536	619	0.036	1.6
1951-52	973	962	548	8 4 8	0.047	2.1
52-53	996	-376	506	366	0.020	0.9
53-54	830	784	947	847	0.047	2.0
54-55	4,391	3,790	3,869	4,021	0.231	10.1
<i>55-56 . ⋅ .</i>	4,001	0,150	0,000	.,0.02	U. <u></u>	
1956-57	1,464	781	1,196	1,144	0.064	2.8
57-58	1,450	905	1,159	1,172	0.065	2.8
58-59	480	811	1,040	758	0.042	1.8
59-60	2,067	790	991	1,293	0.074	3.2
60-61	1,158	631	1,093	951	0.053	2.3
11 Years' Average	1,407	951	1,132	1,164	0.066	2.9

^{*} Not considered for calculating the average.

River TUNGABHA	DRA	Site TUNG	ABHADRA	DAM	Month	MARCH
Year	1	Mean discha	rge (Cusecs)	1	Volume of flow for the month	
(June to May)	1-10	11-20	21-31	W hole month	M. A . F .	T. M. C
931-32				Nil	Nil	Niı
32-33				1,408	0.087	3.8
33-34				1,065	0.065	2.9
34-35				728 18 6	0.045 0.011	2.0 0.5
				700	0.043	1.9
1936-37				89 6	0.055	2.4
38-39 · · ·				733	0.045	2.0
39-40		1.	2	332	0.020	0.9
40-41		F1838		421	0.026	1.1
10 Years' Average				647	0.040	1.8
1941-42)	SEL F			
4.2-43		101	· 从 · ·			
43-44		Art Sa	Elaks.			
44-45 45-46		1.1.50				
1948-47		The same				
47-48		शरपांचे	व अधने			
48-49		11 411	4 414 1			
49-50*	355	306	319	326	0.020	0.9
50-51	497	398	402	4 31	0.027	1.2
1951-52	478	444	423	<i>448</i>	0.028	1.2
52-53	819	581	304	56 0	0.034	1.5
53-54	$\begin{array}{c} -144 \\ 296 \end{array}$	$-284 \\ -71$	—190 —541	$-205 \\ -120$	0.013 0 007	- 0.5 0.3
54-55	4,010	4,123	1,044	$\frac{-120}{2,994}$	0.184	8.0
1956-57	768	1,051	1,724	1,199	0.074	3.2
57-58	1,245	1,321	594	1,038	0.064	2.8
58-59	601	853	1,306	933	0.057	2.5
59-60	1,060	586	373	663	0.041	1.8
60-61	517	621	995	720	0.044	1.9
11 Years' Average	922	875	585	787	0.048	2.1

^{*} Not considered for calculating the average.

River TUNGABHAI		Site TUNG! Tean discharg	ABHADRA	DAMI		APRIL	
Year	1		1	Whole -	Volume of flow for the month		
(June to May)	1-10	11-20	21-30	month	M. A. F.	T. M. C	
1931-32				198	0.012	0.5	
32-33				519	0.031	1.3	
33-34 34-35				1,919 1,323	0.114 0 079	5 0 3 4	
35-36				277	0.016	0.7	
1936-37				842	0.050	2.2	
37-38				1,306	0.078	34	
38-39		New York	1	945	0.056	2.4	
39-40 40-41		-	113,23	679 7 4 2	0.040 0.044	1.8 1.9	
10 Years' Average				875	0.052	2 3	
1941-42		\b 45		·			
42-43		50.07	A. U.				
43-44		المراجع المراجع					
45-46							
1946-47		The same	1				
47-48		নত্যট্র	ज्ञान				
48-49				0.44			
49-50* 50-51	263 3 68	238 619	23 3 42 6	244 471	0.015 0.028	0.6 1.2	
1951-52	414	394	1,458	755	0.045	2.0	
52-53	(412)	(727)	(1,403)	(858)	(0.051)	(2.2)	
53-54	682	799	461	647	0.038	1.7	
54-55 55-56	-727 Nil	918 Nil	2,853 568	1,015 189	0.060 0.011	2.0 0.5	
1956-57	278	383	1,121	594	0.035	15	
57-58	$1\ 236$	1,729	2,836	1,934	0.115	50	
58-59	805	724	303	611	0.036	1.6	
59-60 60-61	$\begin{array}{c} 738 \\ 631 \end{array}$	$\begin{array}{c} 924 \\ 784 \end{array}$	1,732 2,270	1,131 1,228	0.067 0.073	2.9 3.2	
11 Years' Average	442	727	1,403	858	0.051	2 2	

^{*} Not considered for calculating the average.

77		Mean discho	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T, M. C
1931-32				27.8	0.018	0.8
3 2-33, · · ·				3,876	0.238	10.4
33-34				4,237	0.261	11.3
34-35				860	6.6c3	4.0
35-36				249	0.015	0.7
1936-37				2,716	0.167	7.3
37-38				1,544	0.095	4.1
38-39				1,542	0.095	4.1
3 9-40		57	NR -	322	0.020	0.9
40-41		£1833		3,323	0.204	8.9
10 Years' Average		\$		1 896	0.117	5.1
1941-42		10 (m)	SET I			****
42-43		3.0	V KALV.			
43-44		400				
44-45						
45-46		1000				
1946-47						
47-48			न नपन			
48-49						
49.50*	350	727	774	622	0.038	1.7
50 51	510	602	3,251	1,512.	0.093	4.0
1951-52	3,440	1,454	3,163	2,791	0.136	7.3
52-53 · · ·	$(2\ 279)$	(3,657)	(7, 163)	(4,457)	(0.274)	(11.9)
53.54	2,7 50	2,384	3,569	2,916	0 179	1.8
54-55	1,243	3,455	$25,\!255$	10,477	0.644	23.1
55- 56	5,719	2,080	3,189	3,647	0.224	9.3
1956-57	638	1,973	10,964	4,733	0.291	12.7
57-58	4,905	9,418	4,137	6,088	0.374	16.3
	15	632	1,338	684	0.042	1.8
58-59		9 931	3,773	4,907	0.302	13.1
59-60	1,829	9,231				
	1,829	5,360	12,995	6,903	0.424	18.5

^{*} Not considered for calculating the average.

River TUNGABHA		V.	OLIBANDA	···	Year	
Months	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-End	Whole month	M. A. F.	T.M .C
June						
July	19,703	20,057	20,839	20,297	1.248	54.4
August	83,925	33,989	30,33 5	48,801	3.001	130.7
September	19,023	35,988	79,905	44,972	2.676	116.6
October	37,308	13,283	12,255	20,668	1.271	55.4
November	12,756	13,020	14,543	13,440	0.800	34.8
		5305	0.005	0 800		00:0
December	8,277	8,805	9,005	8,706	0.535	23.3
January	3,792	3,950	8,771	5,610	0.345	15.0
Februa ry	10,458	8,254	8,254	9,041	0.502	21.9
March	8,254	8,032	5,795	7,310	0.449	19.6
April	8,254	7,351	4,124	6,576	0.391	17.0
Мау	3,446	3,051	3,001	3,161	0.194	8.5
Volume (July to Nov.)		ন্ত্ৰণ্	्राज्य न जयान	· · · · · · · · · · · · · · · · · · ·	8.996	391.9
Volume				10 m		
(Dec. to May)					2.416	105.3
Volume						
(July to May)					11.412	497.2

River TUNGABHA	DRA	Si	e SUNKES	ALA	Mon	th JUNE
Y ear	}	Mean disch	arge (Cusecs)		Volume of	
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T.M.C.
1904-05 05-06	4,618 2,193	6,830 9,164	58,728 4,438	23,392 5,265	1.392 0.313	60.6 13.6
1906-67 07-08	6 1,394	8,119 3,165	6,973 11,673	5,033 5,411	0.299 0.322	13.0 14.0
08-09	$109 \\ 3,324 \\ 265$	1,847 22,198 365	3,145 9,230 5,894	1,701 11,584 2,175	0.101 0.689 0.129	4.4 30.0 5.6
7 Years' Average	1,701	7,384	14,297	7,794	0.464	20.2
1911-12	1,450 1,167	5,451 1,327	27,080 7,946	11,327 3,480	0.674 0.207	29.4 9.0
13-14 14-15 ,	7,425 254	11,048 4,405	8,041 169	8,838 1,609	0.526 0.096	22.9 4.2
15-16	2,554 $7,146$	7,270 7,044	9,201 63,290	6,341 25,826	0.377 1.537	16.4 66.9
17-18	19,776 6,360	7,205 4,376	10,597 18,488	12,526 9,741	0.745 0.580	32.5 25.2
19-20 · · · · · · · · · · · · · · · · · · ·	13,548 2,489	4,910 3,780	21,251 11,754	13,236 6,008	0.788 0.358	34.3 15.6
10 Years' Average	6,217	5,682	17,780	9,893	0.589	25.6
1921-22	5,625 4,883 3,138	1,052 2,290 1,049	11,373 $1,053$ $4,587$	6,017 2,742 2,92 4	0.358 0.163 0.174	15.6 7.1 7.6
24-15	1,913 1,106	2,675 1,617	10,410 21,456	4,999 8,060	0.297 0.480	13.0 20.9
1926-2 7	$2,280 \\ 2,824$	$\begin{matrix} 344 \\ 2,653 \end{matrix}$	4,915 12,201	2,513 5,892	0.150 0.351	6.5 15.3
28-29 29-30 30-31	5,063 2,985 838	5,185 10,713 3,091	$\substack{6,419\\15,224\\503}$	5,556 9,641 1,477	0.331 0.574 0.088	14.4 25.0 3.8
10 Years' Average	$-\frac{3,066}{3}$	3,067	8,814	4,982	0.296	12.9
1931-32	5,764 4,157	1,862 3,752	10,865 7,904	6,164 5,271	0.367 0.314	16.0 13.7
$33.34 \dots 34.35 \dots$	$19,477 \\ 2,460$	15,788 3,205	47,488 988	27,58 4 2,218	1.641 0.132	71.5 5.7
35-36 5 Years' Average	$-\frac{1,170}{6,606}$	$\frac{11,230}{7,167}$	$\frac{5,806}{14,610}$	$\frac{6,068}{9,461}$	$\frac{0.361}{0.563}$	$-\frac{15.7}{24.5}$
5 Years' Average 32 Years' Average	4,305	5,469	13,722	7.832	0.466	20.3

SERIAL No. 53

Month IULY **TUNGABHADRA** SUNKESALA Volume of flow for Mean discharge (Cusecs) Year the month Whole (June to May) **1-10** 11-2021-31 M.A.F.T.M.C.month 111,038 4.530 197.3 67,390 73,680 1904-05 45,435 05-0612,876 25.15757,977 32,841 2.019 88.0 39,200 2.410 105.0 1906-07 9.123 17,251 86,497 07-08 46,744 24.690 97,921 57,789 3.553154.8 08-09 29,713 35,118 111,612 60,518 3.721 162.1 09-10 29,941 96,681 89,988 72,777 4.475 194.9 10-11 57,999 33,205 36,194 2.225 96.9 19,087 53,285 3.276142.77 Years' Average 42,491 72,645 42,784 56,243 3 458 150.6 1911-12 15,140 33,223 114,536 61,492 3 781 164.7 12-13 13,758 33,686 130,164 28,272 42,973 2.642 115.1 13-14 34,290 64,230 147,088 14 - 1523,847 54,460 77,453 4.762207.427,894 1.715 74.7 15-16 36,061 16,891 30,499 29,474 1.812 78.9 1916-17 32,996 28,249 27,387 36,698 24,358 1.498 65.2 17-18 25,833 9,310 0.767 12,462 33.4 6,449 18-1918,155 13.38419.20 27,506 15,574 24.0211.477 64.329,828 47,994 37,901 2.330101.5 20-2151,183 13,518 2.424 105,6 30,218 62,062 39,427 10 Years' Average 23,741 17,983 1.106 48.2 13,715 33,593 1921-22 5,080 2.241 22-23 19,073 36,030 52,637 36,452 97.6 81,620 23-24 99,692 120,424 5.019 218.620,862 80,603 24-25 4,281 74,234 155,775 4.956215.9 56,466 3.472 151.2 25 - 2666,224 69,46132,4131926-27 25,831 12,147 42,286 23,313 1.588 69.2 27-28 16,243 44,659 2.746 119.6 54,290 61,730 28 - 2921,947 1.349 11,727 14,687 37,838 58.8 38,782 29-30 2.38546,052 45,591 25,982 103.9 27,713 30-31 36,780 12,013 33,743 1.70474.243,206 2,657 10 Years' Average 20,466 45,876 61,450 115.71931-32 20,286 33,651 22,810 25,493 1.568 68.3 32 - 3367,174 43,612 2.682 9,44151,8641168 33-34 3.141 39,341 73,594 41,285 51,080 136.8 34-35 28,951 45,422 2.793 121.7 71,87837,084 35-36 15,420 32,543 40,323 2.479 108.0 73,784 5 Years' Average 110.3 31,273 53,996 2.532*38,553* 41,186 32 Years' Average 2.700 117.6 27,996 41,575 60,512 43,914

River TUNGABHA	DRA	Site SI	JNKESALA		Month	AUGUST	
		Mean discho	rge (Cusecs)		Volume of flow for the month		
Year (June to May)	1-10	11-20	21-31	W hole month			
(* 15 22.119)	1-10	11-20	21.01	Month	M.A.F.	T. M. C	
1904-05	41,544	54,956	22,016	38,941	2.394	104.3	
05-06	30,839	32,367	28,829	30,619	1.883	82.0	
1906-07	34,446	28,833	61,641	42,285	2.600	113.3	
07.08	126,810	127,491	61,776	103,953	6.392	278.4	
08-09	114,858	54,077	32,366	65,980	4.057	176.7	
09-10	68,635	27,801	34,770	43,446	2.671	116.4	
10-11 ,	49,432	53,828	52,218	51,839	3.187	138.8	
7 Years' Average	66,652	54,193	41,945	53,866	3.312	144.3	
1911-12	30,045	39 811	35,030	34,963	2.150	93.6	
12-13	100,843	59,346	48,375	68,839	4.233	184.4	
13-14	88,189	26,712	14,198	42,103	2.589	112.8	
14-15	91,941	60,360	52,808	67,867	4.173	181.8	
15-16	78,810	23,279	11,578	37,040	2.278	99.2	
1916-17	93,655	49,336	26,357	55,478	3.411	148.6	
17-18	33,841	30,606	34,673	33,093	2.035	88.6	
18-19	7,078	16,675	39,389	21,639	1.331	58.0	
19-20	62,904	30,598	21,195	<i>37,683</i>	2.317	100.9	
20-21	26,241	15,977	15,670	19,179	1.179	51.4	
10 Years' Average	61,355	35,270	29,927	41,788	2.569	111.9	
1921-22	65,539	38,866	30,727	44,582	2.741	119.4	
22-23	37,604	21,395	33,270	30,838	1.896	82.6	
23-24	77,213	107,045	42,688	74,585	4.586	199.7	
24-25	45,295	44,278	31,018	39,901	2.453	106.9	
25-26	34,563	30,319	35,186	33,415	2.055	89.5	
1926-27	66,636	59,395	29,264	51,039	3.138	136.7	
27-28	24,093	43,960	19, 3 39	28,815	1.772	77.2	
28-29	51,228	27,590	20,668	32,759	2.014	87.7	
29 30	23,136	16,864	29,241	23,279	1.431	62.4	
30-31	39,394	22,971	10,807	23,953	1.473	64.2	
10 Years' Average	46,470	41,268	28,221	38,317	2.356	102.6	
1931-32	30,004	93 384	65,540	63,059	3.877	168.9	
32-33	73,341	34,830	38,104	48,415	2.977	129.7	
33-34	105,532	47,456	68,560	73,679	4.530	197.3	
34-35	31,462	80,981	49,311	<i>53 770</i>	3.306	144.0	
35-36	58,688	25,406	58,070	47,733	2.935	127.8	
5 Years' Average	59,805	56,411	55,917	57,331	3.525	153.6	
32 Years' Average	57,620	44,587	36,084	45,774	2.815	122.6	

River TUNGABHA	DRA	Site SI	JNKESALA		Month SEF	TEMBER
77		Mean die	charge (Cusec		Volume of the m	of flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T.M.C
1904-05	12,707	21,109	24,586	19,467	1.158	50. 5
05-06	20,192	17,691	8,581	15,487	0.922	40.1
1806-07	39,044	22,936	48,806	36,929	2.197	95.7
07-08	29,580	17,923	31,088	26,197	1.559	67.9
08-09	23,602	23,477	30,235	25,771	1.533	66.8
09-10	43,255	20,454	11,754	25,154	1.497	65.2
10-11	33,087	25,218	49,874	36,060	2.146	93 5
7 Years' Average	28,781	21,258	29,275	26,437	1.573	68.5
1911-12	18,709	12,897	14,000	15,202	0.905	39.4
12-13	26,348	19 577	49,954	31,960	1.902	82.8
13-14	14,366	8,844	16,011	13,074	0.778	33.9
14-15	27,547	41,741	40,566	36,618	2.179	94.9
15-16	15,678	20,130	55,062	30,290	1.802	78.5
1916-17	25,126	40,875	26,938	30,980	1.843	80.3
17-18	54,489	48,465	87,783	$63,\!579$	3.783	164.8
18-19	13,905	18,010	26,980	19,632	1.168	50.9
19-20	20,589	21,816	47,700	30,035	1.787	77 9
20-21	12,684	13,231	20, 618	15,510	0.923	40.2
10 Years' Average	22,944	24,559	38,561	28,688	1.707	74.4
1921-22	20,039	15,917	11,362	15,773	0.939	40.9
22-23	19,781	11,955	10,854	14,197	0.845	36.8
23 24	20,417	19,403	21,785	20,535	1 222	53.2
24-25	29,619	15,654	36,095	27,123	1 614	70.3
25-26	31,233	13,635	18,824	21,231	1.263	55.0
1926-27	17,191	15,847	15,418	19,485	1.159	50.5
27-28	21,053	26,878	25,812	24.581	1.463	63.7
28-29	26,970	14,720	10,835	17,510	1.042	45.4
29-30	21,725	22,496	28,487	24,236	1.442	62.8
30-31	21,011	22,230	14,129	19,124	1.138	49.6
10 Years' Average	22,904	18,874	19,360	20,379	1.213	52.8
1931-32	28,842	43,884	14,939	29,222	1.759	75.7
32-33	40,619	26,417	15,665	27,567	1.640	71.5
33-34	127,170	43,431	40,212	70,271	4.181	182.1
34-35	19,872	11,917	9,016	13,602	0.809	35.3
35-36	24,347	45,497	20,762	30,202	1.797	78.3
5 Years' Average	48,170	34,229	20,119	34,173	2.033	88.6
32 Years' Average	28,150	23,571	27,648	26,456	1.574	68.6

River TUNGABHAI	DRA	Site SI	JNKESALA		Month	OCTOBE
		Mean dischar	ge (Cusecs)		Volume	of flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	nonth T. M.
		<u> </u>		_ <u></u>		
1904-05	11,056	25,171	25,747 12,356	20,822 10,888	1.280 0.669	55.8 29.2
05-06 . , .	11,596	8,564	•	- 7		
1906 07	17,941	27,982	9,269	18,103	1.113	48.5
07-08	35,971	8,516	7,274	16,932	1.041	45.4
08-09	10,507	5,819	4,317	6,799	0.418	18.2
09-10	15,007	16,169	7,401	12,683	0.780	34.0
10-11	38,249	27,096	31,141	32,129	1.976	86.1
7 Years' Average	20,048	17,045	13,929	16,908	1.040	45.3
1911-12	15,181	12,763	14,455	14,143	0.870	37.9
12-13	27,265	19,707	25 309	24,133	1.484	64.6
13-14	19,750	44,648	13,199	25,457	1.565	68.2
14-15	21,795	12,757	6,523	13,460	0.828	36.1
15-16	28,144	15,430	10,929	17,93 4	1.103	48.0
1916-17	13,031	8,572	62,254	29,059	1.787	77.8
17.18	34,975	41,274	59,761	45,802	2.816	122.7
18-19	10,000	6,170	3,683	6,523	0.401	17.5
19-20	23,744	14,232	9,307	15,553	0.956	41.7
20.21	14,381	8,835	2,946	8,534	0.525	22.9
10 Years' Average	20,827	18,439	20,836	20,060	1.233	53.7
1001 00	34,833	52,865	5,841	30,362	1.867	81.3
1921-22	10,211	8,515	8,438	9.035	0.556	24.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	12,167	6,880	4,418	7,712	0.474	20.7
23-24	14,852	9,882	9,334	11,291	0.694	30.2
25-26	32,287	18,320	6,932	18,784	1.155	50.3
1926-27	9,322	15,856	5,789	10,176	0.626	27.3
27-28	13,218	6,471	4,081	7,800	0.480	20.9
28-29	11,732	7,434	27,675	<i>16,003</i>	0.984	42.9
29.30	32,173	18,203	7,919	19,061	1.172	51.1
30-31	35,048	25,173	14,840	24,692	1.158	66.1
10 Years' Average	20,584	16,952	9,527	15,492	0.953	41.5
1931-32	10,784	9,074	8,205	9,317	0.573	25.0
32-33	21,463	27,062	39,359	29,619	1.821	79.3
33-34	41,336	95,170	52,111	62,525	3.845	167.5
34-35	8,208	16,662	8,057	10,882	0.669	29.1
35-36	17,881	11,855	25,380	18,598	1.144	49.8
5 Years' Average	19,934	31,965	26,622	26,188	1.610	70.1
32 Years' Average	20,441	19,785	16,695	18,900	1.162	50.6

River TUNGABH	ADRA	Site	SUNKESALA		Month NC	OVEMBER
Year		Mean disc	harge (Cusecs)			f flow for
(June to May)	1-10	11-20	21-30	$Whole \\ month$	$\frac{the\ me}{M.\ A.\ F.}$	T, M, C
1904-05	6,714	3,442	2,388	4,181	0.249	10.8
0 5 -06	4,706	2,193	2,155	3,018	0.180	7.8
1906-07	5,457	3,685	2,173	3,772	0.224	9.8
07-08	4,148	5,372	4,009	4,510	0.268	11.7
08-09	5,949	2,529	1,468	3,315	0.197	8.6
09-10	5,937	4 221	$2,927^{\circ}$	4,362	0.260	11.3
10-11	22.767	4,293	8,841	15,300	0.910	39.7
7 Years' Average	7,954	5,105	3,423	5,494	0.327	14.2
1911-12	4,401	2,918	1,892	3,070	0.183	8.0
12-13	11,803.	4,544	7,651	7,999	0 476	20.7
13-14	5,477	3,495	2,558	3,843	0.229	10.0
14-15	11,431	8,698	4,253	8,128	0.484	21.1
15-16	24,994	8,799	7,067	13,620	0.810	$35.\tilde{3}$
1916-17	91,814	52,556	16,963	53,778	3.200	139.4
17-18	14,106	22,295	31,180	22,527	1.340	58.4
18-19	2,371	9,306	6,827	6,168	0.367	16.0
19-20	5,961	27,775	9,790	14,509	0.863	37.6
20-21	3,078	1,939	1,726	2,248	0.134	5.8
10 Years' Average	17,544	14,232	8,991	13,589	0.809	35.2
1921-22	24,145	6,042	113,371	$\frac{1}{11,186}$	0.666	29.0
22-23 . , .	4,505	16,674	5,196	8,790	0.523	22.8
23-24	3,546	2,866	2 170	2,861	0.170	7.4
24-25	4.763	3,659	2833	3,752	0.223	9.7
25-26	4,033	4,786	3,087	3,969	0.236	10.3
1926-27	2,636	2,308	1,793	2,246	0.134	5.8
27-28	4,591	12,190	3,310	6 697	0.398	17.4
28-29	9,530	3,086	2,330	4,982	0.296	12.9
29-30	5,335	4,730	4,596	4 887	0.291	12.7
30-31	12,506	4,866	2,616	6,662	0.396	17.3
10 Years' Average	7,559	6,119	3 130	5 603	0.333	14.5
1931-32	5,816	18,997	5,890	10,234	0.609	26.5
32-33	54,012	20,649	9,524	28,061	1.670	72.7
33-34	22,395	15,851	13,284	17,176	1.022	44.5
34-35	16,9≢8	5,377	2,907	8,410	0.500	21.8
35-36	9,859	4.636	3,034	5,843	0.348	15.1
5 Years' Average	21,806	13,102	6,928	13,945	0.830	36.1
32 Years' Average	12,992	9,524	5 619	9,378	0.558	24.3

River TUNGABH	ADRA	Site SI	JNKESALA		Month DI	ECEMBER
Year		Mean discha	rge (Cusecs)			of flow for
(June to May)	1 10	11-20	21-31	Whole month	M.A.F.	T. M. C
1904-05	1,686	1,413	1,220	1,433	0.088	3.8
05.06	1,989	1,408	1,046	1,467	0.090	3.9
1906-07	1,874	1,220	4,954	2,755	0.169	7.4
07-08	3,131	1,984	2,043	2,375	0.146	6.4
08-09	1,204	1,038	870	1,032	0.063	2.8
09-10	3,134	1,952	1,831	2,291	0.141	6.1
10-11	4,785	4,042	3,467	4,078	0.251	10.9
7 Years' Average	2,543	1,865	2,204	2 204	0,136	5.9
1911-12	2,370	1,986	1,541	1,952	0 120	5.2
12-13	5,341	2,649	1,913	3,256	0 200	8.7
13.14	1,890	1,933	1,559	1,786	0.110	4.8
14-15	3,132	4,242	3,937	3,776	0 232	10.1
15-16	5,472	3,949	3,093	4,136	0 254	11.1
1916-17	9,343	5,498	3,186	5,918	0.364	15.9
17-18	8,482	5,880	4,285	6,154	0.378	16.5
18-19	12,734	4,102	1,780	6,064	0.373	16.2
19-20	5,758	4,649	3,753	4,689	0.288	12.6
20-21	1,696	1,446	1,169	1,428	0.088	3.8
10 Years' Average	5,622	3,633	2,622	3,916	0.241	10.5
1921-22	2,355	1,966	A 17.714	2,002	0.123	5.4
22-23	3,434	2,174	1,736	2,338	0.144	6.3
23-24	1,870	1,846	1,609	1,770	0.109	4.7
24-25	2,522	3,478	1,978	2,637	0.162	7.i
25-26	2,106	2,969	2,422	2,496	0.153	6.7
1926-27	1,644	1,450	1,234	1,436	0.088	3.8
27-28	2,248	1,774	1,609	1,869	0.115	5.0
28-29	2,245	2,250	1,742	2,065	0.127	5.5
	2,225 $2,974$	2,207	1,694	2,272	0.140	6.1
29-30 30-3 1	2,914 $2,192$	$\frac{2,207}{2047}$	1,806	2,008	0.123	5.4
10 Years' Average	2,330	2,217	1,754	2,989	0.129	5.6
1931 32	3,691	3,138	3,403	3,410	0.210	9.1
32-33	6,948	5,044	3,720	5,166	0.318	13.8
33-34	6,634	4,509	9,097	6,823	0.420	18.3
34-35	2,328	1,946	1,651	1,965	0.121	5.3
35-36	2,455	2,104	1,676	2,065	0.127	5.5
5 Years' Average	4,411	3,348	3,909	3,886	0.239	10.4
32 Years Average	3,731	2,759	2,461	2,966	0.182	7.9

		SERIA	11. NO. 33				
River TUNGABHAI	ORA	Site	SUNKESAL	LA .	Month	JANUARY	
Year		Mean dischar	rge (Cusecs)	1	Volume of flow for the month		
(June to May)	1-10	11 20	21-31	Whole month	M.A.F.	T.M.C.	
1904-05	982	884	718	844	0.052	2.3	
05-06	770	614	986	796	0.049	2.1	
1906-07	4,488	1,416	87 5	2,215	0.136	5.9	
07-08	1,689	1,258	805	1,236	0.076	3.3	
08-09	847	747	460	677	0.042	1.8	
09-10	1,198	957	562	895	0.055	2.4	
10-11	2,749	1,963	1,434	2,029	0.125	5.4	
7 Years' Average	1,818	1,120	834	1,242	0 076	3.3	
1911-12	1,300	1,074	630	989	0 061	2.6	
12-13	1,678	1,490	1,081	1,406	0 086	3.8	
13-14	1,374	1,096	≟ 679	1,038	0.064	2.8	
14-15	1,974	1,584	1,854	1,806	0.111	48	
15-16	2,293	1,521	1,027	1,595	0.098	4.3	
1916-17	3,682	2,426	1,925	2,654	0.163	7.1	
17-18	3,775	3,287	3,103	3,379	0.208	9.0	
18-19	1,268	1,028	1763	1,012	0.052	2.7	
19-20	2,863	1.921	1,184	1,963	0.121	5.3	
20-21	934	786	565	755	0.046	2.0	
10 Years' Average	2,114	1,621	1,281	1,660	0.102	4.4	
1921-22	2,630	2,074	1,123	$\frac{-}{1,916}$	0.118	5.1	
22-23	1,528	1,296	862	1,217	0.075	3.3	
23-24	1,417	1,200	826	1,137	0.070	3.0	
24-25	1,477	1,271	980	1,234	0 076	3.3	
25-26	1,692	1,508	1,127	1,432	0.088	3.8	
1926-27	1,100	934	694	902	0.055	2.4	
27 -28	1,459	1,189	752	1,121	0.069	3.0	
28- 29	1,552	1,320	1,022	1,289	0.079	3.5	
29-30	1,553	1,308	863	1,229	0.076	3.3	
30-31	1,656	1,406	897	1,306	0.080	3.5	
10 Years' Average	1,606	1,351	915	1,278	0.079	3.4	
1931-32	2,023	1,582	1,153	1,572	0.097	4.2	
32-33	3,117	2,448	1,750	2,416	0.149	6.5	
33-34	5,150	3,664	2,531	3,741	0.230	10.0	
34-3 5	1,497	1,330	1,016	1,271	0.078	3.4	
35-36	1,600	1,403	1,050	1,341	0.082	3.6	
5 Years' Average	2,677	2,085	1,500	2,068	0.127	5.5	
32 Years' Average	1,979	1,500	1,103	1,513	0.093	4.1	

River TUNGABHAD	RA	Site	SUNKESALA	A	Month FE	BRUARY
		Mica discha	rai (Cusecs)		Votume oj	
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C
1904-05 05-06	462 704	377 325	611 269	474 444	0.026 0.025	1.1 1.1
1906-07	498	372	378	419	0.023	1.0
07-08	791	477	305	532	0.031	1.3
08-09	422	271	131	285	0 016	0.7
09-10	535	343	151	357	0 020	0.9
10-11	1,250	871	597	928	0.052	2.2
7 Years' Average	666	434	349	491	0.027	1.2
1911.12	637	480 ~	301	479	0.028	1.2
12-13	990	647	453	714	0.040	17
13-14	654	469	297	<i>486</i>	0.027	1.2
14-15	1,158	756	425	805	0.045	1.9
15-16	915	566	339	616	0.035	1.5
1916-17	6,353	2,383	1.327	3,499	0.194	8.4
17-18	1,922	1,187	782	1,334	0.074	3.2
18-19	624	382	189	413	0.023	1.0
19-20	994	705	385	705	0.041	1.8
20-21	595	409	188	412	0.023	1.0
10 Years' Average	1,484	798	469	946	0.053	2.3
1921-22	889	558	281	597	0.033	1.4
22-23	683	515	1,025	721	0.040	1.7
23-24	675	526	325	515	0.030	1.3
24-25	811	627	390	625.	0.035	1.5
25-26	1,281	6 3 8	452	814	0.045	2.0
1926-77	606	475	324	479	0.027	1.2
27-28	1,448	1,628	726	1,286	0.074	3.2
29-29	1,049	798	521	809	0.045	2.0
29-30	859	582	361	618	0.034	1.5
30-31	990	720	494	752	0.042	1.8
10 Years' Average	929	707	490	722	0.040	1.7
19 1-32	1,008	707	<u></u> 52 3	754	0.043	1.9
32-33	1,551	1,091	808	1,174	0.065	2.8
33.34	1,924	1,579	1,039	1,556	0.086	3.8
34-35	1,600	744	340	934	0.052	2.3
35-36	898	943	697	851	0.049	2.1
5 Years' Average	1,396	1,013	687	1,054	0.059	2.5
32 Years' Average	1,118	723	483	793	0. 044	1.9

River TUNGABHAI	DRA	Site	SUNKESAL	.А	Month	MARCH
		Mean discha	rge (Cusecs)		Volume o	
Year (June to May)	1 -1 0	11-20	21-31	Whole	the mo	onth
	1-10	11-20	21-31	month	M. A. F.	T. M. C
1904-05	208	141	141	163	0.010	0.4
05-06	180	131	134	147	0.009	0.4
1906-07	208	142	147	165	0.010	0.4
07-08	334	262	136	240	0.015	0.6
08-09	160	133	79	123	0.008	0.3
09-10	212	180	101	162	0.010	0.4
10-11	635	473	193	426	0.026	1.1
7 Years' Average	277	209	133	204	0.013	0.5
1911-12	336	284	201	$\frac{-}{271}$	0.017	0.7
12-13	485	346	163	326	0.020	0.9
13-14	333	268	153	248	0.015	0.7
14-15	852	752	455	679	0.042	1.8
15-16	408	269	162	276	0.017	0.7
1916-17	947	643	895	830	0.051	2.2
17-18	729	531	269	502	0.031	1.3
18-19	195	152	90	144	0.009	0.4
19-20	367	275	150	260	0.016	0.7
20-21	239	207	133	191	0.012	0.5
10 Years' Average	489	373	267	373	0.023	1.0
1921-22	296	238	133	220	0.014	0.6
22-23	3,026	512	167	1,201	0.074	3.2
23-24	257	146	94	162	0.010	0.4
24-25	297	226	128	214	0.013	0.6
25-26	353	314	162	273	0.017	0.7
1926-27	263	230	185	225	0.014	0.6
27-28	580	508	430	504	0.031	1.3
28-29	501	393	279	387	0.024	1.0
29-30	291	282	241	270	0.017	0.7
30-31	563	561	419	511	0.031	1.4
10 Years' Average	643	341	224	397	0.024	1.1
1931-32	572	442	271	423	0.026	1.1
\$2-33	904	$6\overline{42}$	467	671	0.041	1.8
33-34	1,086	962	713	914	0.056	2.4
34-35	294	390	233	303	0.019	0.8
35-36	405	302	245	315	0.019	0.8
5 Years' Average	652	548	38 6	<u>525</u>	0.032	1.4
32 Years' Average	516	354	243	367	0.023	1.0

SERIAL No. 53

River	TIIN	CAR	HADRA

Site SUNKESALA Month APRIL

Year		Mean drochd	trye (Uusecs)		Volume of flow for the month			
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C		
1903-04*	291	138	19	149	0.009	0.4		
04-05	104	41	Nil	48	0.003	0.1		
05-06	63	41	24	43	0.603	0.1		
1906-07	106	83	1,809	666	0.040	1.7		
07-08	121	97	104	107	0.006	0.3		
08-09	71	48	41	53	0.003	0.1		
09-10	121	124	97	114	0.007	0.3		
10-11	164	127	105	132	0.008	0.3		
7 ears' Average	107	80	311	166	0.010	0.4		
1911-12	133	119	603	285	0.017	0.7		
12-13	133	122	120	125	0.007	0.3		
13-14	199	147	81	142	0.008	0.4		
14-15	258	174	117	183	0.011	0.5		
15-16	87	66	58	70	0.004	0.2		
1916-17	788	282	192	421	0.025	1.1		
17-18	183	130	121	145	0.009	0.4		
18-19	44	34	64	48	0.003	0.1		
19-20	112	103	101	105	0.006	0.1		
20-21	Nil	214	2,771	995	0.059	2.6		
10 Years' Average	194	139	423	252	0.015	0.7		
1921-22	95	90	196	127	0.008	0.3		
22-23	144	270		183	0.011	0.5		
23-24	162	437	249	283	0.017	0.7		
24.25	102	100	668	290	0.017	0.8		
25-26	261	198	123	194	0.012	0.5		
	115	182	14	104	0.006			
1926-27	549	425	417	464	0.028	0.3		
27-28	195	406	783	461		1.2		
28-29	733	126	96		0.027	1.2		
29-30	305	303	308	318	0.019	0.8		
30-31				$-\frac{305}{-}$	0.018	0.8		
10 Years' Average	266	254 ———	299	273	0.016	0.7		
1931-32	213	166	121	167	0.010	0.4		
32-33	414	1,550	1,272	1,079	0.064	2.8		
33-34	536	3 87	1,089	671	0.040	1.7		
34-35	1,246	596	275	706	0.042	1.8		
35-36	752	323	231	435	0.026	1.1		
5 Years' Average	632	604	598	612	0.036	1.6		
32 Years' Average	266	235	387	296	0.018	0.8		

^{*} Not considered for calculating the average.

SERIAL No. 53

River TUNGABHADRA Site SUNKESALA Month MAY

		Mean dischar	$ge\ (Cusecs)$			of flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M, A F.	T, M
1903-04*	Nil	992	2,742	1,293	0.080	3.5
04-05		Nil	2,897	1,028	0.063	2.8
05-06	$2\overset{"}{2}$	20	13	18	0.001	Nil
1906-07	2,225	760	662	1,198	0.074	3.2
07-08	1,531	494	390	792	0.049	2.1
08-09	34	4,539	1,844	2,130	0.131	5.7
09-10	112	5 66	1,762	844	0.052	2.3
10-11	81	725	1,495	791	0.049	2.1
7 Years' Average	572	1,015	1,295	972	0.060	2.6
1911-12	2,152	1,318	476	1,288	0.0.79	3.5
12-13	133	432	1,999	892	0 055	2.4
13-14	50	657	822	520	0.032	1.4
14-15	592	2,087	929°	1,194	0.073	3.2
15-16	76	155	1,400	571	0.035	1.5
1916-17	181	112	Nil	94	0.006	0.3
17-18	689	4,815	6,923	4 232	0.260	11.3
18-19	1,058	2.544	2,504	2,050	0.126	5.5
19-20	236	115	523	299	0.018	0.8
20-21	735	146	Nil	284	0.017	0.8
10 Years'Average	590	1,238	1,558	1,142	0.070	3.1
1921-22	723	897	5,784	2,575	0.158	6.9
22-23	52	8		261	0.016	0.7
23-24	203	72	577	293	0.018	0.8
24-25	4,958	7,890	5,213	5,994	0.369	16.1
25-26	157	1,670	531	778	0.048	2.1
1926-27	227	82	27	109	0.007	0.3
27-28	418	1,716	451	848	0.052	2.3
28-29	4,700	4,200	3,083	3,965	0.244	10.6
29-30	57	72	1,089	428	0.026	1.1
30-31	464	383	3,191	1,548	0.095	4.1
10 Years' Average	1,196	1,699	2,103	1,680	0.103	4.5
1931-32	133	160	2,061	825	0.051	2.2
3 2-33	1,021	9,022	6,835	5,665	0 348	15.2
33-34 , . ,	702	304	738	<i>586</i>	0.036	1.6
34-35	189	202	1,363	610	0.038	1.6
35-36	287	482	7,068	2,756	0.169	7.4
5 Years' Average	466	2,034	3,613	2,088	0.128	5.6
32 Years' Average	756	1.458	1 992	1,421	0.087	3.8

^{*} Not considered for calculating the average.

River TUNGABHADRA		Site	SUNKESAI	L A	Month JUNE			
Year -		Mean dische	irge (Cusecs)			of flow for month		
(June to May)	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C.		
1936-37	1,287	2,448	13,255	5,663	0.337	14.7		
37-38	190	506	4,223	1,640	0.098	4.3		
$38-39 \cdot \cdot \cdot$	2,401	8,561	34,932	<i>15,298</i>	0.910	39.7		
39-40	Nil	254	3,451	1,235	0.073	3.2		
40-41	2,693	7,965	9,932	6,863	0.408	17.8		
5 Years' Average	1,314	3,947	13,159	6,140	0.365	15.9		
1941-42	729	33,977	8,911	14,539	0.865	37.7		
42-43	5,686	13,427	5,530	8,214	0.489	21.3		
43-44	4,754	4,994	17,794	9,180	0.546	23.8		
44-45	1,340	1,461	15,936	6,269	0.373	16.2		
45-46	4,193	1,366	6,871	4,143	0.247	10.7		
1946-47	9,962	5,581	19,308	11,617	0.691	30.1		
47-48	1,680	478	6,938	3,032	0.180	7.9		
48-49	2,516	3,892	13,382	6,596	0.392	17.1		
49-50	1,850	6,518	12,018	6,795	0.404	17.6		
50-51	3,809	3,944	11,971	6,574	0.391	17.0		
10 Years' Average	3,652	7,564	11,866	7,696	0.458	19.9		
1951-52	13,006	8,613	14,817	12,145	0.723	31.5		
52-53	3,487	1,626	2,437	2,517	0.150	6.5		
17 Years' Average	3,505	6,212	11,865	7,195	0.428	18.6		

River TUNGABHA	DRA	Sit	e SUNKES	ALA	Mon	Month JULY	
Year		Mean dischar	ge (Cusecs)		Volume of the r	f flow for nonth	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
				·			
1936-37	60,899	27,726	55,0 96	48,139	2.960	128.9	
3 7-3 8	25,944	54,385	79,485	54,117	3.328	144.9	
38-39	63,486	43,608	43,783	50,082	3.079	134.1	
39-40	15,344	73,691	32,667	40,314	2.479	108.0	
40-41	48,652	47,112	53,315	49,810	3.063	133.4	
5 Years' Average	42,865	49,304	52,869	48,492	2.982	129.9	
1941-42	42,959	95,565	14,514	49,835	3.064	133.5	
42-43	60,132	34,653	78,013	58,257	3.582	156.0	
43-44	36,634	91,617	58,537	62,142	3.821	166.4	
44-45	10,376	59,048	195,769	91,861	5.648	246.0	
45-46	11,246	70,450	52,329	44,921	2.762	120.3	
1946-47	61,643	30,946	67,158	<i>53,698</i>	3.302	143.8	
47-48	10,809	31,317	73,572	39,695	2.441	106.3	
48-49	23,283	47,831	54,115	42,142	2.591	112.9	
49-50	11,705	40,997	22,790	25,088	1.543	67.2	
50-51	7,196	29,182	117,224	53,330	3.279	142.8	
10 Years' Average	27,598	53,160	73,402	52,097	3.203	139.5	
1951-52	13,860	26,468	73,367	39,043	2.401	104.6	
52-53	22,419	15,940	33,938	24,416	1.501	65.4	
17 Years' Average	30,976	48,267	65,040	48,641	2.991	130.3	

River TUNGABH	ADRA Site SUNKESALA Mean discharge (Cusecs)				Month AUGUST Volume of flow for	
Year (June to May)				Whole	the month	
	1-10	11-20	21-31	month	M. A. F.	T. M. C
1936-37	41,907	38,776	36,254	<i>38,891</i>	2.391	104.2
37-38	67,408	35,410	11,582	37,277	2.292	99.8
38-39	34,038	26,328	41,201	34,093	2.096	91.3
39-40	11,844	44,088	60,588	39,535	2.431	105.9
40-41	57,427	60,096	85, 993	68,424	4.207	183.3
5 Years' Average	42,525	40,940	47,124	43,644	2.684	116.9
1941-42	15,410	45,609	36,651	32,657	2.008	87.5
42-43	74,017	22,474	27,403	40,850	2.512	109.4
43-44	35,911	21,112	12,895	22,970	1.412	61.5
44-45	51,397	11,492	21,535	27,928	1.717	74.8
45-46	24,389	13,875	28,511	22,460	1 381	60.2
1946-47	79,671	89,320	84,453	84,480	5.194	226.3
47-48	43,553	25,308	75,623	49,047	3.016	131.4
48-49	37,773	83,479	57,769	59,613	3.665	159.7
49-50	57,589	27,796	28,179	37,543	2.308	100.6
50-51	54,366	49,745	32,057	44,956	2.764	120.4
10 Years' Average	47,408	39,021	40,498	42,250	2.598	113.2
1951-52	30,394	40,059	25,905	31,919	1.963	85.5
52-53	44,994	41,322	41,132	$42,\!439$	2.609	113.7
17 Years' Average	44,829	39,782	41,631	42,064	2.586	112.7

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T.M.
1936-37	14,717	15,301	37,229	22,416	1.334	58.1
37-38	7,028	17,002	30,542	18,191	1.082	47.2
38-39	27,820	19,071	49,074	31, 988	1.903	82.9
39-40	35,471	17,327	24,312	25,703	1.529	66.6
40-41	27,931	15,912	10,387	18,077	1.076	46.9
5 Years' Average	22,593	16,923	30,309	23,275	1.385	60.3
1941-42	20,942	20,336	20,002	20,426	1.215	52.9
42-43	29,838	11,560	10,835	17,411	1.036	45.1
43-44	29,585	23,981	24,935	26,167	1.557	67.8
44-45	12,993	23,738	5,858	14,197	0.845	36.8
45-46	19,983	14,118	9,378	14,493	0.862	37.6
		নকা	मा नयन			
1946-47	30,490	20,094	29,120	$26,\!568$	1.581	68.9
47-48	51,869	39,524	39,368	43,554	2.592	
48-49	25,018	17,879	17,327	20,075	1.195	52.0
49-50	19,841	19,573	74,188	37,867	2.253	98.2
50-51	28,562	57,370	25,709	37,214	2.214	96.5
10 Years' Average	26,912	24,817	25,672	25,797	1,535	66.9
19 5 1-52	23,117	9,113	10,701	14,310	0.852	37.1
52-53	12,921	5,972	8,052	8,982	0.534	23.3
17 Years' Average	24,596	20,463	25,119	23,391	1.392	60.6

Vanu	Mean discharge (Cusecs)				Wonth OCTOBER Volume of flow for the month	
$Year \ (June \ to \ May)$	1-10	11-20	21-31	Whole month	M. A. F.	T.M. C
	,			<u></u>		<u> </u>
1936-37	35, 706	12,310	6,465	17,783	1.093	47.6
37-38	39,300	26,228	4,531	22,746	1.399	60.9
38-39	43,562	14,563	4,661	20,404	1.255	54.7
39-40 . , ,	5,499	19,178	40,796	22,436	1.380	60.1
40-41	13,257	43,198	9,636	21,631	1.330	57.9
5 Years' Average	27,465	23,095	13,218	21,000	1.291	56.2
1941-42	27,955	17,155	4,178	16,034	0.986	42.9
42-43	7,439	17,520	5,780	10,102	0.621	27.1
43-44	33,096	50,482	23,937	35,455	2.180	95:0
44-45	12,078	12,045	29,295	18,177	1.118	48.7
45-46	8,974	6,625	5,343	6,928	0.426	18.6
1946-47	42,781	10,586	3,308	18,389	1.131	49.3
47-48	14,372	19,458	11,033	14,828	0.912	39.7
48-49	12,325	23,654	8,101	14,481	0.890	38 8
49-50	10,591	22,453	38,067	24,167	1.486	64.7
50-51	31,202	47,597	10,243	29,054	1.786	77.8
10 Years' Average	20,081	22,758	13,928	18,762	1,154	50.3
1951-52	36,764	14,781	7,874	19,421	1.194	52.0
5 2-53 · · ·	26,091	41,036	10,449	25,362	1.559	67.9
17 Years' Average	23,588	23,463	13,159	19,847	1.220	53.2

Year (June to May)	Mean discharge (Cusecs)			Volume of flow for the month		
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1936-7	8,502	17,212	4,745	10,153	0.604	26.3
37-38	4,330	2,553	2,199	3,027	0.180	7.8
38-39	2,599	2,521	2,109	2,410	0.143	6.2
39-40 , , ,	18,202	5,868	7,930	10,666	0.635	27.6
40-41	8,270	4,610	5,754	6,211	0.370	16.1
5 Years' Average	8,38 1	6,553	4,547	6,493	0.386	16.8
1941-42	2,254	2,070	2,018	2,114	0.126	5.5
42-43	3,355	2,548	2,340	2,748	0.164	7.1
43-44	6,560	6,402	5,132	6,032	0.359	15.6
44-45	32,512	6,121	2,835	13,822	0.822	35.8
45-46	2,336	2,292	1,808	2,145	0.128	5.6
		सन्द्राधः	न नयन			
1946-47	14,397	13,908	10,369	12,891	0.767	33.4
47-48	2,748	2,724	3,105	2,859	0.170	7.4
48-49	6,091	10,183	13,629	9,968	0.593	25.8
49-50	6,376	3,176	3,096	4,216	0.251	10.9
50-51	12,099	7,217	3,049	7,455	0.444	19.3
10 Years' Average	8,873	5,664	4,738	6,425	0.382	16.7
1951-52	4,630	3,334	3,148	3,704	0.220	9.6
52-53	3,069	2,608	2,699	2,792	0.166	7.2
17 Years' Average	8,137	5,609	4,469	6,071	0.361	15.7

River TUNGABHAI	DRA	Site "SU	INKESALA		Month DEC	EMBER
		Mean d i schar	ge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	nth F. M. C.
		<u> </u>		(
1936-37	2,599	2,160	2,077	2, 272	0.140	6.1
37-38	2 026	1,919	1,825	1,920	0.118	5.1
38-39	1,977	1,752	1,512	1,739	0.107	4.7
39-40	2,709	2,189	1,921	2,261	0.139	6 1
40-41	3,816	2,372	2,103	2,775	0.171	7.4
5 Years' Average	2,625	2,078	1,888	2,193	0.135	5.9
1941-42	2,758	2,884	1,921	2,502	0.154	6.7
42-43	2,188	1,856	2,355	2,140	0.132	5.7
43-44	2,588	2,193	2,025	2,261	0.139	6.1
44-45	2,521	2,070	1,943	2,171	0.133	5.8
45-46	1,910	1,658	1,593	1,716	0.106	4.6
1946-47	3,615	2,811	2,297	2,888	0.178	7.7
47-48	5,984	5,055	4,941	5,314	0.327	14.2
48-49	4,556	2,712	2,227	3,135	0.193	8.4
4 9- 5 0	2,527	1,769	1,714	1,994	0.123	5.3
50-51	2,515	2,220	2,054	2,256	0.139	60
10 Years' Average	3,116	2,522	2,307	2,637	0.162	7.1
1951-52	3,584	2,056	1,823	2 ,4 66	0.152	6.6
52-53	2,145	? ,501	2,316	2,647	0.163	7.1
17 Years' Average	2,942	2,422	2,156	2,497	0.154	6.7

River TUNGABHAD		Site SUN		المرارحة ا		ANUARY	
Year -	Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C	
1936-37	1,760	1,446	1,160	1,446	0.089	3.9	
37 -38	1,549	1,252	1,100	1,294	0.080	3.5	
38- 39 · · ·	1,402	1,098	778	1,083	0.067	2.9	
39-40	1,808	1,593	1,273	1,549	0.095	4.1	
40-41	1,84+	1,586	1,182	1,529	0.094	4.1	
5 Years' Average	1,673	1,395	1,099	1,380	0.085	3.7	
1941-42	1,538	1,346	946	1,266	0.078	3.4	
42-43	1,984	1,862	1,057	1,616	0.099	4.3	
43-44	1,962	1,785	1,414	1,711	0.105	4.6	
44-45	1,758	1,367	1,424	1,515	0.093	4.1	
45-46	1,319	966	808	1,024	0.063	2.7	
1946-47	2,744	2,147	1,711	2,185	0.134	5.9	
47-48	2,198	1,669	1,483	1,774	0.109	4.8	
48-49	2,019	1,807	1,507	1,769	0.109	4.7	
49-50	1,614	1,338	919	1,278	0.079	3.4	
50-51	1,943	1,570	1,161	1,545	0.095	4.1	
10 Years' Average	1,908 .	1,586	1,243	1,568	0.096	4.2	
1951-52	1,635	1,354	1,040	1,333	0.082	3.6	
5 2- 5 3	1,516	1,240	1,350	1,368	0.084	3.7	
17 Years' Average	1,800	1,496	1,195	1,487	0.091	4.0	

River TUNGABHA	DRA	Site S	UNKESALA		Month FI	EBRUARY
		Mean discho	rge (Cusecs)		Volume o	
Year (June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C
		<u> </u>				
1936-37	795	874	710	799	0.044	1.9
37-38	760	477	422	<i>562</i>	0.031	1.4
38-39	49 \	314	144	371	0.021	0.9
39-40	1,111	722	520	803	0.046	2.0
40.41	1,706	894	551	1,087	0.060	2.6
5 Years' Average	974	656	469	724	0.040	1.8
1941-42	855	633	462	663	0.037	1.6
42-43	1.003	604	370	680	0.038	1.6
43-44	1,176	972	978	1,044	0.060	2.6
44-45	883	624	489	678	0.038	1.6
45-46	611	454	344	479	0.027	1.2
1946-47	1,371	1,203	813	1,152	0.064	2.8
47-18	1,255	992	653	977	0.056	24
48-49	1,343	1,156	1,008	1,180	0.066	2.9
49-50	716	610	575	638	0.035	1.5
50-51	954	781	553	777	0.043	1.9
10 Years' Average	1,016	802	624	826	0.046	2.0
1951-52	738	575	497	607	0.035	1.5
52-53	690	521	604	605	0.034	1.5
17 Years' Average	969	730	570	771	0.043	1.9

River TUNGABHA			INKESALA		Month	
Year	Mean discharge (Cusens)		TTT	Volume of flow for the month		
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1936-37	490	345	402	412	0.025	1.1
37-38	322	173	204	235	0.014	0 6
38-39	82	103	89	91	0.006	0.2
39-40	493	469	263	38 4	0.024	1.0
40-41	557	405	299.	417	0.026	1 1
5 Years' Average	389	287	251	308	0.019	08
1941-42	412	428	306	380	0.023	1.0
42-43	375	300	213	293	0.018	0.8
48-44	$\boldsymbol{922}$	1,634	682	1.067	0.066	2.9
44-45	452	350	302	366	0.023	1.0
45-46	298	245	न नयभ्17	394	0.024	11
1946-47	1,230	435	286	6 39	0.039	1 7
47-48	371	266	216	282	0.017	0.8
48-49	534	399	314	412	0.025	1.1
49-50	499	363	282	378	0.023	1.0
50-51	43 3	331	482	414	0.025	1.1
10 Years' Average	552	475	370	462	0.028	1.2
1951-52	336	208	135	223	0.014	0.6
5 2- 5 3	417	376	268	351	0.022	0.9
17 Years' Average	484	398	315	396	0.024	1.1

River TUNGABHA	DKA		SUNKESALA		Mon		
Year	Mean discharge (Cusecs)				Volume of flow for the month		
(June to May)	1-10	11+20	21-30	Whole month	M. A. F.	T. M. C	
1936-37	230	218	1,958	80 2	0.048	2.1	
37-38	536	269	2 32	346	0.021	0.9	
38-39	7 5	71	93	80	0.005	0.2	
39-40	197	208	295	233	0.014	0.6	
40-41	235	230	202	222	0.013	0 6	
5 Years' Average	255	199	556	337	0.020	0.9	
1941-42	261	252	237	250	0.015	0.6	
42-43	230	236	196	220	0.013	0.6	
43-44	344	260	201	269	0.016	0.7	
44-45	230	144	961	445	0.026	1.2	
45-46	287	148	다크 크 다 19 ;	209	0.012	0.5	
1 946-47	209	180	180	190	0.011	0.5	
4 7-4 8	391	257	595	414	0.025	1.1	
48-49	386	26 ?	203	285	0.017	0.7	
49-50	213	119	97	143	0.009	0.4	
50-51	454	114	162	243	0.014	0.6	
10 Years' Average	300	198	303	266	0.016	0.7	
1951-52	139	115	114	122	0.007	0.3	
52-53	102	80	315	166	0.010	0.4	
17 Years' Average	266	186	367	273	0.016	0.7	

River TUNGABHA	DRA	Site S	UNKESALA		Mor	th MAY	
		Mean dische	arge~(Cusecs)		Volume of flow for the month		
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T, M, C	
			1			The overested of	
1936-37	1,084	80	3 68	505	0.031	1 4	
37-38	205	219	3,106	1,239	0.076	3.3	
38-39	77	70	70	72	0.004	0.2	
39-40	2,886	2,915	30,796	12,799	0.787	34.3	
40-41	100	2,106	436	8 66	0.053	2.3	
5 Years' Average	870	1,078	6,955	3,096	0.190	8.3	
1941-42	239	501	330	357	0.022	1.0	
42-43	1,450	1,338	47,668	17,814	1.095	47.7	
43-44	196	491	2,397	1,072	0.066	2.9	
44-45	265	76	1,251	554	0.034	1.5	
45-46	584	424	6,878	2,766	0.170	7.4	
1946-47	151	362	1,004	<i>522</i>	0.032	1.4	
47-48	2,540	6,611	2,181	3,726	0.229	10.0	
48-49	302	282	5,688	2,207	0.136	5.9	
49-50	130	102	87	106	0.007	0.3	
50-51	337	183	2,522	1,063	0.065	2.8	
10 Years' Average	619	1,037	7,000	3,018	0.186	8.1	
1951-52	454	1,802	19,002	7,471	0.459	20.0	
5 2-53	85	74	129	97	0.006	0.3	
17 Years' Average	652	1,038	7,289	3,132	0.193	8 4	

River TUNGABH	ADRA	Site S	UNKESALA		Mont	h JUNE
Year		Mean dische	arge (Cusecs)		Volume of the mont	
(June to May)	1-10	11-20	21-30	$Whole \\ month$	M.A.F.	T. M.C.

						4,815	4,466	4,573	0.272	11.8
60-61				•	3,512	3,052	2,567	3,044	0.181	7.9
59-60					6,190	3,268	10,506	$6,\!654$	0.396	17.2
58-59					5,196	2,602	2,514	3,437	0.205	8.9
57-58	,				10,172	5,574	11,938	9,228	0.549	23.9
956-57					1,331	14,530	2,969	6,277	0.374	16.3
55-56	•	•			3,991	6,498	2,522	4,337	0.258	11.2
54-55					4,589	1,164	1,929	2,561	0.152	6.6
953-54		•	•	•	520	1,834	781	1,045	0.062	2.7

SERIAL No. 53

River TUNGABHADRA Site SUNKESALA Month JULY

		Mean discha	rge (Cusecs)	[f flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M.C.



8 Years'	A	Kei	age	37,181	62,174	55,401	51,708	3.179	138.5
60-61	•	•		36,266	52, 580	53,268	47,562	2.924	127.4
59-60			•	64,731	68,207	110,732	82,175	5.053	220.1
58 -59				50,290	68,731	60,330	59,801	3.677	160.2
57-58				3,307	77,768	39,274	40,089	2.465	107.4
1956-57				73,639	55,164	63,292	64,008	3.936	171.4
55 -56		٠		25,658	15,794	16,193	19,117	1.175	51.2
54-55			•	3,624	49,015	75,464	43,758	2.691	117.2
1953-54				39,935	110,133	24,652	57,156	3.514	153.1

River TUNGABH	ADRA	Site SU	INKESALA		Month	AUGUST
Year		Mean disch	rge (Cusecs))	Volume of the m	
$(June\ t \circ May)$	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.



8 Years	' A	ver	age	53,317	49,945	47,687	50,231	3.089	134.5
60-61	•	•		122,200	64,373	62,068	82,20 9	5.055	220.2
59-60				41,287	47,501	48,642	45,901	2.822	122.9
58-59				16,114	5,860	56,465	27,124	1.668	72.6
57-58				20,536	17,769	41,713	27,158	1.678	72.7
1956-57				71,313	49,504	34,617	51,257	3.152	137.3
55-56		•	•	26,218	53,626	35,706	38,426	2.363	102.9
54-55				56,736	81,332	37,993	58,019	3.567	155.4
1953-54				72,134	79,594	64,289	71,757	4.412	192.2

SERIAL No. 53

River TUNGABHADRA Site SUNKESALA Month SEPTEMBER

		Mean discha	rge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-30	Whole month	$\frac{the\ mo}{M.A.F.}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$



8 Years	Av	erage	32,019	27,336	41,888	33,748	2.008	87.5
60-61	•	• .•	46,410	55,995	105,335	69,246	4.120	179.5
59-6 0			57,417	37,133	66,111	53,553	3.187	138.8
58-59			39,728	25,127	29,855	31,570	1.879	81.8
57-58			17,604	20,149	3,811	13,855	0.824	35.9
1956-57			15,350	14,562	20,703	16,872	1.004	43.7
55-56	٠		34,580	34,825	75,400	48,268	2.872	125.1
54-55	٠		20,068	9,168	11,055	13,430	0.799	34.8
1953-54		• •.	$\boldsymbol{24,995}$	21,731	22,831	23,186	1.380	60.1

River TUNGABHA	ADRA	Site S	UNKESALA		Month	OCTOBER
Year		Mean discha	rge (Cusecs)		Volume the n	of flow for
(June to May)	1-10	11-20	21-31	W hole month	M.A.F.	T. M. C.

55,589 13,079 9,098 30,948 57,215	59,408 8,676 21,928 6,521 19,497	28,696 24,430 3,294 5,657 18,680	47,278 15,686 11,177 14,101 31,374	2.907 0.964 0.687 0.867 1.929	126.6 42.0 29.9 37.8 84.0
55,589 13,079 9,098	8,676 21,928	24,430 3,294	15,686 11,177 14,101	0.964 0.687 0.867	42.0 29.9 37.8
55,589 13,079	8,676	24,430	15,686	0.964	42.0
55,589	•		· ·		
	59,408	28,696	47,278	2.907	126.6
11,200					
44,260	22,875	40,539	36,041	2.216	96,5
13,185	9,173	12,492	11,645	0.716	31.2
42,321	36,614	46,289	41,888	2.576	112.2
	13,185	13,185 9,173	13,185 9,173 12,492	13,185 9,173 12,492 11,645	13,185 9,173 12,492 11,645 0.716

SERIAL No. 53

River TUNGABH	ADRA	Site	SUNKESA	LA	Month	NOVEMBER
Year		Mean disch	arge (Cusecs)	1777.7		me of flow for e month
$(June\ to\ May)$	1-10	11-20	21-30	Whole month	M. A	$F. \mid T. M. C.$

12,838 1953-54 . 21,542 1.282 44,593 7,194 55,8 4,278 54-55 . . . 4,168 7,731 5,392 0.321 14.0 55-56 . . . 9,777 20,750 5,384 3,179 0.582 25.3 1956-57 . . . 27,409 1.631 71.0 43,917 29,248 9,062 57-58 . . . 8,191 89,736 24,367 40,765 2.426 105.7 3,932 0.23458-59 . . . 2,584 5,402 3,810 10.2 4,737 4,378 59-60 . . . 0.261 11.3 4,353 4,045 60-61 . . . 29,778 28,604 1.702 74.1 29,229 26,807 8 Years' Average 20,168 22,675 10,329 17,725 1.055 45.9

River TUNGABHADRA		Site SUNKESALA			Month	DECEMBER
Year	,	Mean dische	arge (Cusecs)	Whole	Volu	me of flow for he month
(June to May)	1-10	11-20	21-31	month	M. A	$F. \mid T. M. C.$



8 Years'	A۱	ver	age	6,011	4,088	3,383	4,458	0.274	11.9
60-61	•		•	11,019	9,467	7,386	9,229	0.567	24.7
59-6 0				4,309	4,584	3,374	4,066	0.250	10.9
58-59				2,440	1,930	2,103	2,156	0.133	5.8
57- 58				8,889	3,280	3,170	5,050	0.311	13.5
1956-57				7,464	3,684	3,153	4,715	0.290	12.6
55-56	•	٠	•	3,220	2,343	1,995	2,502	0.154	6.7
$54\!\cdot\!55$			4	5,126	2,929	2,514	3 ,4 91	0.215	9.4
1953-54	•	٠	٠	5,621	4,486	3,368	4,455	0.274	11.9

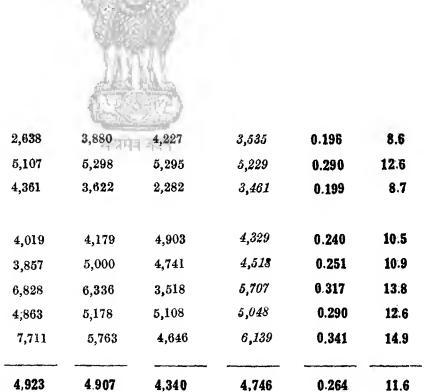
River TUN	GABHADRA	Site S	UNKESALA		Month J	ANUARY
77		Mean disch	arge (Cusecs)			of flow for
Year (June to Me	ay) 1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c c c }\hline M. A. F. \end{array}$	T. M. C.
	,	j.		1	,	,



8 Years'	Αv	era	ge	2,638	3,008	3,706	3,136	0.193	8.4
60-61	•			2,643	2,289	5,998	3,719	0.229	10.0
59-60			•	3,248	4,938	4,058	4,081	0.251	10.9
58-59				1,959	2,010	2,456	2,152	0.132	5.8
57-5 8	•	ď		2,740	2,191	1,693	2,192	0.135	5.9
1956-57				2,723	3,924	3,836	3,505	0.216	9.4
55-56	•	•	•	2,272	3,505	4,666	3,519	0.216	9.4
54-55	•	•	•	2,437	2,198	4,263	3,008	0.185	8.1
1953-54	٠	•		3,081	3,012	2,675	2,915	0.179	7.8

SERIAL No. 53

River TUNGABHA	DRA	Site SU!	VKESALA		Month FEBRUAR		
Year		Mean disch	arge (Cusecs)		Volume o	f flow for	
(June to May)	1-10	11-20	21-28/29	Whole month	M. A. F.	T. M. C.	



1953-54

54 - 55

55-56

1956-57

57-58

58-59

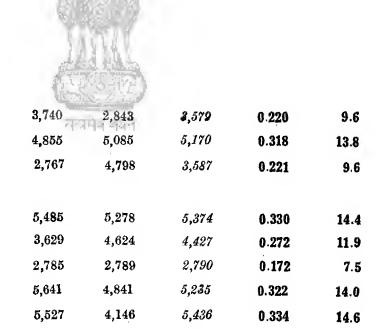
59-60

60-61

8 Years Average

SERIAL No. 53

River TUNGABHA	ADRA	Site SU	NKESALA		Month	MARCH
Year (June to May)	1-10	Mean dische	arge (Cusecs)	Whole month	Volume of the m M. A. F.	



4,450

0.274

11.9

4,300

4,304

1953-54

54-55 .

55-56 .

57-58

1956-57

58-59 . . .

59-60 . . .

60-61 . . .

8 Years' Average

4,227

5,579

3,076

5,369

5,008

2,795

5,262

6,764

4,760

SERIAL No. 53

River TUNGABHADRA Site SUNKESALA

Month APRIL

		Mean discha	Volume of flow for			
Year (June to May)	1-10	11-20	21-30			1



Years'	A	ver	age	4,495	4.059	3,154	3,902	0.232	10.1
60-61	•		•	7,353	5,990	2,726	5,356	0.319	13.9
59-60				3,227	3,958	3,656	3,613	0.215	9.4
58-59				3,739	4,144	3,299	3,728	0.222	9.7
57-58				3,926	3,771	3,105	3,601	0.214	9.3
1956-57	•			5,475	4,782	3,866	4,707	0.280	12.2
55-56		٠	•	5,425	5,186	4,198	4,937	0.294	12.8
54-55			•	5,259	2,928	3,738	3,975	0.237	10.3
1953-54	•	4	•	1,554	1,710	645	1,30 3	0.078	3.4

SERIAL No. 53

River TUNGABHADRA Site SUNKESALA

Month MAY

}		Mean disch	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.



1953-54			•	5 56 ·	783	201	503	0.031	1.3
54-55				1,925	1,941	12,001	5,506	0.339	14.7
55-56	•	•		3,265	1,798	4,980	3, 4 00	0.209	9.1
1956-57			•	2,291	2,207	4,427	3,022	0.186	8.1
57-5 8				3,644	4,660	5,823	4,745	0.292	12.7
58-59				3,116	2,779	3,844	3,2 65	0.201	8.8
59-6 0				3,275	4,277	7,739	5,182	0.319	13.9
60-61				4,500	4,574	3,901	4,316	0.265	11.6
8 Years'	As	rer:	age	2,822	2,877	5 364	3,742	0.230	10.0

SERIAL No. 54

River TUNGA (TUNGABHADRA)

Site TUNGA ANICUT (SACREBYLE)

Month JUNE

	I	Mean discharg	e (Cusecs)		Volume oj	flow for
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	nth T. M. C
1946-47						
47-48	481	1,878	1,935	1,431	0.085	3.7
48-49	(3,514)	3,957	12,531	6,667	0.397	17.3
49-50	8,095	10,286	12,601	10,885	0.648	28.2
50-51	1,711	7,331	7,128	6,310	0.375	16.4
1951-52						
52-53	(3,514)	(4,912)	12,413	6,946	0.413	18.0
53-54	70	70	9,875	3,338	0.199	8.7
54-5 5	9,544	8,073	7,763	8,460	0.503	21.9
55-56	688	6,445	23,657	10,263	0.611	26.6
1956-57						
57-58						
58-59	(3,514)	(4,912)	(11,572)	(6,666)	(0.397)	(17.3)
59-60	3,323	2,719	23,183	9,742	0.580	25.3
60-61	1,375	4,980	16,721	7,692	0.458	19.9
10 Years' Average	3,514	4,912	11,572	6,814	0.406	17.7

^{*} Not considered for calculating the average.

SERIAL No. 54

River TUNGA (TUNGABHADRA)

Site TUNGA ANICUT (SACREBYLE)

Month JULY

		Mean dischar	ge (Cusecs)		Valume of flow fo	r
Year (June to May)	1-10	11-20	21-31	W hole month	M. A. F. T. M	. C.

1916-47					- 15				
47-48				4,599	28,578	34,324	22,882	1.407	61.3
48-49		• .		23,696	13,972	20,530	19,436	1.195	52.1
49-50	. •			4,168	29,728	11,921	15,164	0.932	40.6
50-51			•	12,091	29,652	60,597	34,968	2.150	93.7
1951-52									
52-53		٠		8,448	8,621	24,835	14,318	0.880	38.3
53-54	٠			66,904	10,793	24,174	33,642	2.069	90.1
54-55				30,181	40,320	13,407	27,500	1.691	73.7
55-56	•	-	•						
1956-57									
57-58									
5 8- 5 9				45,900	68,623	40,922	51,464	3.164	137 8
59-60			•	75,880	52,225	68,335	65,572	4.032	175.6
60-61				39,079	7,033	34,575	27,143	1.669	72.7
10 Years	A	ve	raç	ge 31,095	28,954	33,362	31,209	1.919	83.6

SERIAL No. 54

River TUNGA (TUNGABHADRA)

Site TUNGA ANICUT (SACREBYLE)

Month AUGUST

		leun discharg	ge (Cu≥eçs)		Volume of flow for
$Year \ (June \ to \ May)$	1-10	11-20	21-31	Whole month	$\frac{\textit{the month}}{\textit{M. A. F.}} \boxed{\textit{T. M. C.}}$

1946-47					AN (1888)	10			
47-48			•	9,681	14,786	38,404	21,520	1.323	57.6
48-49		•		21,792	39,430	31,766	31,021	1.907	83.1
<i>t</i> -0				36,591	18,671	11,329	21,847	1.343	58.5
50-51				33,076	20,562	14,055	22,290	1.371	59.7
1951-52									
52-53				25,057	25,024	21,527	23,793	1.463	63.7
53-54				34,255	59,383	13,476	34,984	2.151	93.7
54-5 5				45,523	25,263	9,831	26,323	1.619	70.5
55-56			•						
19 56- 57									
57-58		٠							
58-59		•	•	16,318	25,581	34,393	25,720	1.581	68.9
59-6 0			•	30,447	20,361	35,108	28,847	1.774	77.3
60-61				44,098	20,586	13,946	25,814	1.587	69.1
10 Year	s'	Av	rage	29 684	26,965	22 384	26,216	1.612	70.2

River TUNGA (TUNGABE	(ADRA)		GA ANICUT REBYLE)		Month SEP	TEMBER	
	Mean discharge (Cusecs)				Volume of flow for		
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	$\begin{array}{c c} nth \\ \hline T. M. C. \end{array}$	

1946-47			2018				
47-48		19,106	11,291	11,247	<i>13,882</i> .	0.826	36 0
48-49	,	19,577	9,444	11,978	13,666	0.813	35.4
49-50		13,127	10,444	16,400	13,323	0.793	34.5
50-51	•	25,566	40,829	20,347	28,914	1.721	74.9
1951-52	•		The same				
52-53		7,093	3,700	3,224	4,673	0.278	12.1
53-54		8,316	8,077	4,169	6,854	0.408	17.8
54-55		14,856	7,115	6,934	9,635	0.573	25.0
55-56	•						
1956-57							
57-58	•						
58-59		18,631	13,651	8,038	13,440	0.800	34.8
59-60		30,668	17,071	14,298	20,679	1 230	53.6
60-61	•	7,396	7,040	16,668	10,368	0.617	26.9
10 Years' Ave	rage	16,434	12,866	11,330	13,543	0.806	35.1

SERIAL No. 54

River TUNGA (TUNGABHADRA)

Site TUNGA ANICUT
(SACREBYLE)

Month OCTOBER

		Mean discha	rge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F. T. M. C.	

1946-47					-CM				
47-48	٠	•		5,316	4,128	4,332	4,584	0.282	12.3
48-49			•	8,916	9,540	3,854	7,321	0.450	19.6
49-50			•	7,864	5,747	9,239	7,669	0.472	20.5
50-51			٠	23,778	26,165	6,088	18,271	1.123	48.9
1951-52		•							
52-53				6,866	6,170	3,224	5,349	0.329	14.3
53-54		٠		4,508	4,928	5,973	5,16 3	0.317	13.8
54-55				4,892	4,156	4,217	4,415	0.271	11.8
55-56	•	•	•						
1956-57									
5 7-58	•								
5 8-59	•			7,695	4,960	3,484	5,318	0.327	14.2
5 9-6 0	,			9,742	5,345	6,447	7,155	0.440	19.2
60-61	•	•	•	8,845	4,886	7,422	7.063	0.434	18.9
10 Years	' A	lve	rage	8,842	7,602	5,428	7,231	0.444	19.4

SERIAL No. 54

River TUNGA (TUNGABHADRA) Site TUNGA ANICUT Month NOVEMBER (SACREBYLE)

		Mean discha	V olume of flow for			
Year (June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.

10 Years	' E	lve	rage	3,820	3,003	2.709	3,177	0.189	8.2
60-61	٠	•	•	5,324	4,282	3,537	4,381	0.261	11.4
59-60	٠	•	Ţ	4,495	3,885	2,870	3,750	0.223	9.7
58-59	•		•	1,908	1,456	2,665	2,009	0.120	5.2
57-58			•						
1956-57									
5 5 -56	•	•	•						
54-55	٠	•	•	2,596	2,176	1,124	1,965	0.117	5:1
53-54	•	•	•	3,870	2,913	2,436	3,073	0.183	8.0
52-53	4	•	•	1,758	(3,003)	(2,709)	(2,490)	0.148	6.5
1951-52	•		٠						
50-51	•		•	1,320	2,092	(2,709)	2,040	0.121	5.3
49-50	•	٠	•	7,614	2,133	1,843	3,864	0.230	10.0
48-49	•	•	•	5,558	4,076	4,357	4,663	0.277	12.1
47-48	•	•	•	3,755	4,014	2,841	3,537	0.210	9 2
1946-47	•	٠	•						

River TUNGA (TUNGABHADRA)			NGA ANICU CREBYLE)	Month DECEMBER		
Year		Mean dische	arge (Cusecs)	1	Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole	M.A.F.	T.M.C.
1946-47						
47-48	2,229	1,990	1,642	1,943	0.119	5.2
48-49	2,930	2,481	2,440	2,692	0.166	7.2
49-50	1,451	1,211	1,134	1,261	0.078	3.4
50-51	(2,103)	(1,846)	(1,487)	(1,802)	(0.111)	(4.8)
1951-52		40.7				
52-53	(2,103)	(1,846)	(1,487)	(1,802)	(0.111)	(4.8)
53-54	2,080	1,617	1,503	1,726	0.106	4.6
54-55	1,062	1,502	937	1,160	0.071	3.1
55-56						
1956-57						
57-58						
58-59	1,595	903	690	1,050	0.065	28
59-60	2,882	2,695	1,472	2,321	0.143	6.2
60-61	2,593	2,366	2,077	2,337	0.144	6.3
10 Years' Average	2,103	1,846	1,487	1,809	0,111	4.8

River TUNGA (TUNGABHA	DRA)		JNGA ANIC		Month]	ANUARY
Year	<u> </u>	1ean dischary	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1946-47*	1,285	878	608	896	0.055	2.4
47-48	1,361	1,130	920	1,130	0.069	3.0
48-49	(1,109)	(1,032)	(873)	(1,000)	(0.061)	(2.7)
49-50	1,085	1,380	1,332	1,321	0.081	3.5
80-51	(1,109)	(1,032)	(873)	(1,000)	(0.061)	
	(-,200)			(1,000)	(0.001)	(2.7)
1951-52		e ded	1115			
52-53	(1,109)	(1,032)	(873)	(1,000)	(0.061)	(2.7)
53-54	1,502	1,524	1,389	1,469	0.090	3.9
54-55	468	450	243	38 3	0.024	1.0
<i>55-56</i>						
1956-57						
57-58						
58-59	394	325	240	317	0.019	0.8
5 9-6 0	1,347	1,264	1,083	1,226	0.075	3.3
60-61	1,605	1,153	907	1,211	0.074	3.2
10 Years' Average	1,109	1,032	873	1,006	0.062	2.7

^{*} Not considered for clculating the average.

River TUNGA (TUNGABH	DRA)		TUNGA ANI SACREBYLE		Month FI	BRUARY
Year		Mean disch	arge (Cusecs)		Volume of the m	of flow for
(June to May)	1-10	11-20	21-28/29	W hole month	M.A.F.	T. M. C.
1946-47*	524	474	434	481	9.027	1.2
47-48	791	736	727	752	0.043	1.9
48-49	(654)	(561)	(537)	(587)	(0.033)	(1.4)
49-50	(654)	(561)	(537)	(587)	(0.033)	(1.4)
50-51	(654)	(561)	(537)	(587)	(0.033)	(1.4)
1951-52						
52-53	(654)	(561)	(537)	(587)	(0.033)	(1.4)
53-54	1,177	942	1,005	1,044	0.058	2.5
54 -55	227	199	106	183	0.010	0.4
55 -5 6						
1956-57						
57-58						
58 -5 9	175	134	121	145	0.008	0.4
59-60	902	843	905	883	0.051	2.2
60-61	651	513	359	518	0.029	1.3
10 Years' Average	654	561	537	587	0.033	1.4

^{*} Not considered for calculating the average.

River TUNGA (TUNGABHA	DRA)		GA ANICUT REBYLE)	Month MARCH		
Year		Mean dischar	rge (Cusecs)		Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1946-47*	636	622	553	602	0.037	1.6
47-48	706	687	681	695	0.043	1.9
48-49	(468)	(304)	(256)	(340)	(0.021)	(0.9)
49-50	(468)	(304)	(256)	(340)	(0.021)	(0.9)
ē0-51	(468)	(304)	(256)	(340)	(0.021)	(0.9)
1951-52			107.72			
52-53	(468)	(304)	(256)	(340)	(0.021)	(0.9)
53-54	898	552	289	570	0.035	1.5
54-55	107	110	리 국리취 110	109	0.007	0.3
55-56						
1956-57						
57-58						
58-59	124	90	152	123	0.008	0.3
59-60	721	2 22	174	366	0.023	1.0
60-61	255	163	127	180	0.011	0.5
10 Years' Average	468	304	256	340	0.021	0.9

^{*} Not considered for calculating the average.

River TUNGA (TUNGABI		Site TUNGA (SACR	A ANICUT EBYLE)		Month	APRIL
Year		Mean disch	arge (Cusecs)	1	Volume of the mo	f flow fo r nth
(June to May)	1-10	11-20	21-30	W hole month	M. A. F.	T. M. C.

1946-47* .		•	498	453	452	468	0.028	1.2
47-48 .			(230)	(370)	(499)	(366)	(0.022)	(0.9)
48-49 .		•	(230)	(370)	(499)	(366)	(0.022)	(0.9)
49-50 .		•	(230)	(370)	(499)	(366)	(0.022)	(0.9)
50-51 .	•		(230)	(370)	(499)	(366)	(0.022)	(0.9)
1951-52 .		•		45 761	10 A			
52-53 .		•	(230)	(370)	(499)	(366)	(0.022)	(0.9)
53-54 .	•	•	231	294	न्य -776	434	0.026	1.1
54-55 .		•	198	638	596	477	0.028	1.2
55 -56 .		•						
1956-57 .		•						
57 - 58 .								
58-59 .			132	42	42	72	0.004	0.2
5 9- 6 0 .	•	•	358	506	581	481	0.029	1.2
60-61 .	•	•	(230)	(370)	(499)	(366)	(0.022)	(0.9)
10 Years'	Av	erage	230	370	499	366	0.022	0.9

^{*} Not considered for calculating the average.

SERIAL No. 54

Fiver TUNGA (TUNGABHADRA)

Site TUNGA ANICUT (SACREBYLE)

Month MAY

Year	Λ	Iean dischar	Volume of flow for			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	
***************************************						-

1946-47	٠.		•	417	412	408	412	0.025	1.1
47-48	•		•	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
48-49	•	•	•	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
49-50	•		•	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
50-51	•	•	•	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
1951-52	•		•		10 75 A				
52-53		•	•	Nil	Nil	Nil	Nil	Nil	Nil
53-54		•		373	233	282	295	0.018	0 8
54-55	•	•	•	304	1,798	5,542	2,645	0.163	7.1
55-56		٠	•						
1956-57									
57-58									
58-59	•		•	42	42	42	42	0 003	0.1
59-60	•	•	•	488	239	361	363	0.022	1.0
60-61	•	•	•	(241)	(462)	(1,245)	(668)	(0.041)	(1.8)
10 Years'	A	Veï	age	241	462	1.245	668	0.041	1.8

^{*}Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month JUNE

V		Mean discha	rge (Cusecs)		Volume of	flow for
$Year \cdot (June \ to \ May)$	1-10	11-20	21-30	Whole month	M. A. F.	$\frac{onth}{\mid T. M. C.}$
1930-31	97	243	8,478	2,939	0.175	7.6
1931-32	275	767	1,646	89 6	0.053	2.3
32-33	740	3,014	1,804	1,853	0.110	4.8
33-34	5,896	11,523	6,841	8,086	0.481	21.0
34-35	129	1,039	7,695	2,954	0.176	7.7
35-36	60	1,844	1,682	1,195	0.071	3.1
1936-37	482	1,834	14,402	5,573	0.332	14.4
37-38	122	782	6,129	2,344	0.139	6.1
38-39	,184	7,788	8,129	5,721	0.340	14.8
39-40	75	761	3,194	1,3 4 3	0.080	3.5
40-41	153	550	13,969	4,891	0.291	12.7
11 Years' Average	838	2,740	6,724	3,436	0.204	8.9
1941-42	7,739	7,296	4,116	6,384	0 380	16.5
42-43	141	1,087	8,665	3,297	0,196	8.5
43-44	1,170	5,602	6,209	4,327	0.257	11.2
44-45	426	3,011	2,348	1,928	0.115	5.0
45-46	210	4,139	1,592	1,980	0.118	5.1
1946-47	666	3,020	11,786	5,157	0.307	13.4
47-48	373	902		756	0.045	2.0
48-49	120	3,508	7,091	3,573	0.213	9.3
49-50	2,760	1,235	_~ 5,286	3,094	0.184	8.0
50-51	1,394	2,306	2,989	2,229	0.133	5.8
10 Years' Average	1,500	3,211	5,108	3,272	0.195	8.5
1951-52	786	6,448	4,587	3,940	0.234	10.2
52-53	420	1,137	6,715	2,758	0.164	7.1
53-54	65	209	5,914	2,063	0 123	5.3
54-55	7,057	4,374	3,415	4,949	0 294	12.8
55-56	858	2,199	11,868	4,975	0.296	12.9
1956-57	3,559	1,918	15,316	6,931	0.412	18.0
57-58	871	1,715	2,961	1,849	0.110	4.8
58-59	272	198	2,382	951	0.057	2.5
59-60	(200)	(200)	(200)	(200)	(0.012)	(0.5)
60-61	(200)	(200)	(200)	(200)	(0.012)	(0.5)
10 Years' Average	1,429	1,860	5,356	2,882	0.171	7.5
31 Years' Average	1,242	2,608	5,761	3,204	0.191	8.3

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month JULY

Year		Mean dischar	ge (Cusecs)		Volume o	
$(June\ to\ May)$	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	$\begin{array}{c c} nonth \\ \hline T. M. C \end{array}$
1929-30*	N.A.	11,338	10,832	N.A.	N.A.	N.A.
30-31	8,541	6,919	8,901	8,145	0.501	21 8
1931-32 ,	9,448	10,548	5,120	8,267	0.508	22.1
32-33	10,254	13,466	22,090	15,490	0.952	41.5
33-34	9,811	16,172	12,412	<i>12,786</i>	0.786	34.2
34.35	14,898	4,379	6,148	8,400	0.516	22.5
35-36	13.870	10,934	13,302	12,721	0.782	34.1
1936-37	9,197	12,769	11,249	11,077	0.681	29.7
37-38	5,258	18,598	20,393	14,931	0.918	40.0
38-39	15,385	9,706	8,014	10,937	0.672	29.3
39-40	6,770	22,995	6,121	11,773	0.724	31.5
40-41	12,932	17,368	14,140	14,792	0.910	39.6
11 Years' Average	10,579	13,078	11,626	11,756	0.723	31.5
1941-42	18,454	17,351	3,594	12,825	0.789	34.4
42-43	15,074	12,414	22,718	16,928	1.041	45.3
43-44	10,033	31,009	15,765	18,833	1.158	50.4
44-45	5,342	17,336	19,993	14,410	0.886	38.6
45-46	13,230	13,865	10,061	12,310	0.757	33.0
1946-47	16,136	6,046	19,018	13,904	0.855	37.2
47-48	3,617	17,338	16,547	12,631	0.777	33.8
48-49	11,965	14,125	10,970	12,308	0.757	33.0
49.50	3,937	14,856	6,822	8,483	0.522	22.7
50-51	4,694	11,881	32,945	17,037	1.048	45.6
10 Years' Average	10,248	15,622	15,843	13,967	0.859	37.4
1951-52	2,760	5,283	21,781	10,323	0.635	27.6
52-53	4,067	3,989	11,902	6,822	0.419	18.3
53-54	35,865	6,130	14,361	18,643	1.146	49.9
54-55	16,538	17,547	7,657	13.712	0.843	36.7
55-56	6,541	4,416	4,302	5,061	0.311	13.6
1956-57	20,692	10,388	14,233	15,076	0.927	40.4
57-58	15,868	22,797	6,303	14,709	0.904	39.4
58-59	20,992	29,310	18,245	22,701	1.396	60.8
59-60	31,126	24,468	30,136	28,627	1.760	7 6.7
60-61	4,088	4,281	9,964	6,235	0.383	16.7
10 Years' Average	15,854	12,861	13,888	14,191	0.872	38.0
31 Years' Average	12,174	13,829	13,716	13,255	0.815	35.5

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month AUGUST

Year (June to May)	Mean discharge (Cusecs)				$egin{array}{c} Volume \ of \ flow \ for \ the \ month \end{array}$	
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1929-30*	5,974	5,490	10,026	7,256	0.446	19.4
	16,826	4,868	2,333	7,826	0.481	21.0
1931-32	16,494	30,345	18,233	21,579	1.327	57.8
	19,677	5,880	6,171	10,434	0.642	28.0
	19,060	8,457	5,702	10,900	0.670	29.2
	6,841	21,458	7,186	11,679	0.718	31.3
	9,522	4,360	7,707	7,213	0.444	19.3
1936-37	11,881	11,688	5,128	9,423	0.579	25.2
	17,210	4,879	2,753	8,102	0.498	21.7
	4,540	4,769	7,935	5,819	0.358	15.6
	2,648	8,116	13,031	8,096	0.498	21.7
	10,084	18,388	19,599	16,139	0.992	43.2
11 Years' Average	12,253	11,201	8,707	10,655	0.655	28.5
1941-42	10,693	14,182	7,146	10,560	0.649	28.3
	15,813	6,243	10,552	10,859	0.668	29.1
	8,447	5,809	3,837	5,960	0.366	16.0
	8,913	4,012	6,261	6,391	0.393	17.1
	4,542	6,527	6,367	5,830	0.358	15.6
1946-47	24,504	22,302	21,064	22,573	1.388	60.5
	5,428	10,546	23,346	13,437	0.826	36.0
	11,637	26,393	14,916	17,561	1.080	47.0
	19 093	9,407	5,382	11,103	0.683	29.7
	14,105	8,850	6,229	9,616	0.591	25.8
10 Years' Average	12,318	11,427	10,510	11,389	0.700	30.5
1951-52	14,257	7,227	5,843	9,004	0.554	24.1
	10,825	11 806	9,795	10,776	0.663	28.9
	18,608	27,751	9,007	18,151	1.116	48.6
	31,915	12,739	5,572	16,381	1.007	43.9
	7,175	4,130	7,995	6 484	0.399	17.4
1956-57	17,164	14,030	5,026	11,846	0.728	31.7
	4,760	5,412	15,949	8,941	0.550	23.9
	7,269	9,050	15,065	10,610	0.652	28.4
	12,072	9,814	13,259	11,765	0.723	31.5
	20,513	10,638	6,975	12,524	0.770	33.5
10 Years' Average	14,456	11,260	9,419	11,648	0.716	31.2
31 Years' Average	12,984	11,293	9,528	11,212	0.689	30.0

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month SEPTEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C
1929-30*	4,879	3,194	4,522	4,198	0.250	109
30-31	3,375	7,889	2,948	4,737	0.282	12.3
1931-32	8,078	6,732	3,688	6,166	0.367	16.0
32-33	11,226	5,994	4,500	7,240	0.431	18.8
33-34	8,731	10,474	7,122	8,776	0.522	22.7
34.35	3,378	2,390	2,027	2,598	0.155	6.7
35-36	7,77 9	$10,\!247$	3,232	7,086	0.422	18.4
1936-37	4,665	3,213	4,055	3,978	0.237	10.3
37-38	2,478	3,695	1,713	2,628	0.156	6.8
38-39	3,555	2,153	5,003	3,570	0.212	9.3
39-40 , , .	5,329	2,165	2,221	3,238	0.193	8.4
40-41	5,364	3,391	3,331	4,028	0.240	10.4
11 Years' Average	5,814	5,304	3,622	4,913	0.292	12.7
1941-42	5,516	3,509	3,403	4.142	0.246	10.7
42-43	8,572	4,255	2,760	5,196	0.309	13.5
43.44	8,852	6,768	5,281	6,967	0.415	18.1
44-45	2,178	2,016	1,353	1,849	0.110	4.8
45-46	3,960	2,845	2,904	3,236	0.193	8.4
1946-47	9,891	5,464	4,741	6,699	0.399	17.4
47-48	10,011	5,965	= 5,622	7,200	0.428	18.7
48-49	7,719	3,979	4,168	5,289	0.315	13.7
49-50	5,677	4,138	6,490	5,435	0.323	14.1
50-51	9,631	16,337	7,591	11,186	0.666	29.0
10 Years' Average	7,201	5,528	4,431	5,720	0.340	14.8
1951-52	2,216	2,210	5,246	3,224	0.192	8.4
52-53	2,669	1,429	1,312	1,803	0.107	4.7
53-54	4,627	3,639	3,119	3,795	0.226	9.8
54-55	7,380	3,860	4,318	<i>5,186</i>	0.309	13.4
55-56	7,851	4,647	5,651	6,050	0.360	15.7
1956-57	4,350	2,906	4,218	3,825	0.228	9.9
57-58	4,648	3,518	2,431	3,533	0.210	9.2
58-59	9,410	6,687	4,248	6,781	0.403	17.6
59-60	12,543	7,170	8,347	9,354	0.557	24.2
60-61	2,156	1,812	4,655	2,874	0.171	7.4
10 Years' Average	5,785	3,788	4,354	4,642	0.276	12.0
31 Years' Average	6,252	4,887	4,119	5,086	0.303	13.2

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA) Site LAKKAVALLI Month OCTOBER

	Mean discharge (Cusecs)				Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C
1929-30*	4,669 4,570	2,925 7,033	1,876 2,818	3,115 4,743	0.192 0.292	8.3 12.7
1931-32	3,099	2,362	1,735	2,377	0.146	6.4
32-33	4,641	4,390	6,159	5,098	0.313	13.7
33-34	9,008	10,399	4,068	7,704	0.474	20.6
34-35	1,747	4,333	1,312	2,427	0.149	6.5
35-36	3,882	3,060	3,753	3,571	0.220	9.6
1936-37	7,068	2,926	2,276	4,032	0.248	10.8
37-38	9,038	3,384	2,085	4,747	0.292	12.7
38-39	5,742	2,229	1,374	3,056	0.188	8.2
39-40	1,587	6,359	3,529	3,816	0.235	10.2
40-41	2,972	3,469	4,588	3,705	0.228	9.9
11 Years' Average	4,850	4 540	3,063	4,116	0.253	11.0
1941-42	8,193	3,302	1,947	4,399	0.270	11.8
42-43	3,398	5,078	1,812	3,377	0.208	9.0
43-44	6,680	8,972	5,193	6,892	0.424	18.5
44-45	2,154	1,885	3,781	2.645	0.163	7.1
45-46	1,697	1,864	1,205	1,576	0.097	4.2
1946-47	5,182	2,821	2,062	3,313	0.204	8.9
47-48	3,474	3,838	2,217	3,145	0.193	8.4
48-49	3,642	4,074		3,242	0.199	8.7
49-50	3,166	2,338	3,695	3,087	0.190	8.3
50-51	5,346	6,350	2,370	4,614	0.284	12.4
10 Years' Average	4,293	4,052	2,640	3,629	0.223	9.7
1951-52	6,792	2,835	1,661	3,695	0.227	9.9
52-53	5,373	5,463	1,801	4,135	0.254	11.1
53-54	3,779	6,482	6,048	5,456	0.335	14.6
54-55	2,961	3,834	2,981	3,249	0.200	8.7
55-56	6,852	3,410	5,018	5,099	0.314	13.7
1956-57	7,647	5,793	3,450	5,366	0.330	14.4
57-58	2,723	2,489	2,989	2,742	0.169	7.3
58-59	3,758	3,930	2,668	3,426	0.211	9.2
59-60	6,051	3,201	3, 363	4, 178	0.257	11.2
60-61	7,461	1,838	1,982	3,703	0.228	9.9
10 Years' Average	5,340	3,928	3,196	4,105	0.252	11.0
31 Years' Average	4,828	4,185	2,970	3,955	0.243	10.6

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month NOVEMBER

Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C
1929-30*	1,374 2,124	1,525 1,372	974 1,040	1,291 1,512	0.077 0.090	3.3 3.9
1931-32	2,308	2,074	1,244	1,875	0.204	4.9
32-33	5,579	2,566	2,161	3,435	0.126	8.9
$33-34 \cdot \cdot \cdot$	2,421	2,026	1,524	1,990	0.118	5.2
$34-35 \dots$	1,666	891	706	1,088	0.065	2.8
35-36	1,803	1,285	1,066	1,384	0.082	3.6
1936-37	2,042	1,839	1,188	1,690	0.101	4.4
37-38	1,642	1,224	1,028	1,298	0.077	3.4
38-39	1,222	878	707	936	0.056	2.4
39-40	2,670	2,097	1,577	2,115	0.126	5.5
40-41	2,361	3,050	2,068	2,493	0.148	6.5
11 Years' Average	2,349	1,755	1,301	1,801	0.107	4.7
1941-42	1,505	1,240	1,155	1,300	0.077	3.4
42-43	1,413	1,137	1,078	1,209	0.072	3.1
43-44	2,687	3,030	1,863	2,527	0.150	6.6
44-45	2,497	1,323	1.108	1,643	0.098	4.3
45-46	772	865	602	746	0.044	1.9
1946-47	2,774	2,455	2,834	2,688	0.160	7.0
47-48	1,434	1,428	1,054	1,305	0.078	3.4
48-49	4,267	2,840	2,481	3,196	0.190	8.3
49-50	2,415	1,156	938	1,503	0.089	3.9
50-51	4,249	1,579	1,148	2,326	0.138	6.0
10 Years' Average	2,401	1,705	1,426	1,844	0.110	4.8
1951-52	1,249	1,015	1,157	1,140	0.068	3.0
52-53	1,035	711	628	792	0.047	2.1
53-54	2,900	1,774	1,426	2,034	0.121	5.3
54-55	1,469	1,107	962	1,179	0.070	3.1
55-56	2,783	1,678	1,339	1,935	0.115	5.0
1956-57	4,756	3,779	2,930	3,822	0.227	9.9
57-58	3,460	4,500	2,507	3,489	0.208	9.0
58-59	1,840	1,319	1.449	1,536	0.091	4.0
59-60	2,373	1,972	1,456	1,934	0 115	5.0
60-61	4,289	5,829	4,642	4,920	0.293	12.8
10 Years' Average	2,615	2,368	1,850	2,278	0.136	5,9
31 Years' Average	2,452	1,937	1,518	1.969	0.117	5.1

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month DECEMBER

Year -		Mean discha	rge (Cusecs)		Volume of the m	
(June to May)	1-10	11-20	21-31	$Whole \\ month$	M.A.F.	T.M.
1929-30*	855	721	616	726	0.045	1.9
30-31	654	542	461	<i>550</i>	0.034	1.5
1931-32	991	1,104	798	959	0.059	2.6
32-33	1,724	1,257	1,016	1,322	0.081	3.5
33-34	1,255	1,160	1,039	1,148	0.071	3.1
34-35	635	557	476	<i>553</i>	0.034	1.5
35-36	892	751	638	757	0.047	2.0
1936-37	1,010	826	750	858	0.053	2.3
37-38	864	891	684	809	0.050	2.2
38-39	645	543	461	547	0.034	1.5
39-40 ,	1,064	892	706	881	0.054	2.4
40-41	1,370	1,289	936	1,190	0.073	3.2
11 Years' Average	1,009	892	724	870	0.054	2.3
1941-42	1,476	1,017	738	1,066	0.066	2.9
42-43	870	812	876	854	0.053	2.3
43-44	1,428	1,174	1,034	1,206	0.074	3.2
44-45	903	727	618	745	0.046	2.0
45-46	513	454	383	448	0.028	1.2
1946-47	1,656	1,488	1,080	1,398	0.086	3.7
47-48	915	1,001	746	883	0.054	2.4
48-49	1,398	1,113	917	1,135	0.070	3.0
49-50	760	958	532	743	0.046	2.0
50-51	997	846	696	841	0.052	2.3
10 Years' Average	1,092	959	762	932	0.057	2.5
1951-52	792	655	581	673	0.041	10
52-53	603	801	487	626	0.038	1.8
53.54	1,200	1,020	834	1,012	0.062	1.7
54-55	822	929	740	827	0.051	2.7 2.2
55-56	1,179	963	790	971	0.060	2.Z 2.6
1956-57	1,874	1,580	1,395	1,979	0.122	5.3
57-58	1,576	1,019	713	1,090	0.067	2.9
58-59	1,144	923	76 3	937	0.058	2.5
59-60	2,836	4,281	4,973	4,060	0.250	10.9
60-61	5,536	3,590	1,346	3,422	0.210	9.2
10 Years' Average	1,756	1,576	1,262	1,560	0.096	4.2
31 Years' Average	1,277	1,134	910	1,113	0.069	3.0

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month JANUARY

		Mean dischar	rge (Curecs)			of flow for
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1929-30*	452	375	299	372	0.023	1.0
30-31	498	387	308	395	0.024	1.1
1931-32	618	499	387	498	0.031	1.3
32-33	813	636	527	654	0.040	1.8
33-34	777	700	549	671	0.041	1.8
34.35	396	330	281	334	0 021	1.0
35-36	522	412	339	421	0.026	1.1
1936-37	533	442	340	435	0.027	1.2
37-38	$\bf 524$	393	328	412	0.025	1.1
'38-39	356	306	261	306	0.019	1.0
39-40	577	481	397	482	0.030	1.3
40-41 ,	771	622	521	634	0.039	1.7
11 Years' Average	580	473	385	477	0.029	1.3
1941-42	584	493	389	486	0.030	1.3
42-43	706	53811.	404	545	0.034	1.5
43-44	830	688	610	686	0.042	1.8
44-45	511	433	339	425	0.026	1.1
45-46	301	254	199	250	0.015	0.7
1946-47	901	668	571	709	0.044	1.9
47-48	567	460	417	479	0.029	1.3
48-49	711	581	456	579	0.036	1.6
49-50	440	360	310	368	0.023	1.0
50-51	549	449	353	438	0.027	1.2
10 Years' Average	610	492	405	496	0.030	1.3
1951-52	418	341	276	342	0 021	0.9
52-53	379	325	5 6	247	0.015	0.7
53-54	690	552	460	564	0.035	1.5
54-55	578	469	389	476	0.029	1.3
55-56	636	513	428	523	0.032	1.4
1956-57	1,101	836	578	8 30	0.051	2.2
57-58	37	2	19	19	0.001	0.1
58-59	584	453	312	445	0.027	1.2
59-60	1,577	702	423	885	0.054	2.4
60-61	(323)	(200)	(200)	(240)	(0.015)	(0.6)
10 Years' Average	632	439	314	457	0.028	1.2
31 Years' Average	607	469	369	477	0.029	1.3

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA) Site LAKKAVALLI Month FEBRUARY

Year		Iean dischar	ge (Cusecs)		Volume of the mo	
(June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C.
1929-30*	254	219	167	216	0.012	0.5
30-31	265	221	178	225	0.012	0.5
1931-32	324	298	257	294	0.017	0.7
32-33	418	346	304	<i>359</i>	0.020	0.9
33-34	406	333	277	343	0.019	0.8
34-35	254	185	156	201	0.011	0.5
35-36	322	258	222	269	0.015	0.7
1936-37	286	245	220	252	0.014	0.6
37-38	290	247	191	247	0.014	0.6
38-39	218	163	143	177	0.010	0.4
39-40	328	275	215	275	0.016	0.7
40-41	444	345	303	368	0.020	0.9
11 Years' Average	323	265	224	274	0.015	0.7
1941-42	331	294	248	294	0.016	0.7
42-43	327	268	201	270	0.015	0.7
43-44	440	370	372	395	0.023	1.0
$44-45 \dots$	285	242	199	245	0.014	0.6
$45-46 \dots$	156	141	134	145	0.008	0.4
1940-47	459	400	338	403	0.022	1.0
47-48	315	267	205	265	0.015	0.7
$48-49 \dots$	385	324	272	331	0.018	0.8
49-50	245	220	271	243	0.013	0.6
50-51	291	240	186	243	0.013	0.6
10 Years' Average	323	277	243	283	0.016	0.7
1951-52	239	202	257	232	0.013	0.6
$52-53 \dots$	203	147	132	163	0.009	0.4
$53-54 \dots$	360	277	242	297	0.016	0.7
54-55	325	269	199	269	0.015	0.7
55-56	400	315	246	323	0.019	0.8
1956-57	149	42	19	74	0.004	0.2
57-58	133	621	684	465	0.026	1.1
58-59	265	152	69	169	0.009	0.4
59-60	232	91	(100)	142	0.008	0:4
60-61	(100)	(100)	(100)	(100)	(0.006)	(0.2)
10 Years' Average	241	222-	205	223	0.012	0.6
31 Years' Average	297	255	224	261	0.015	0.6

^{*} Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month MARCH

1		Mean discha	rge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	onth T. M. (
1929-30*	140	127	129	131	0.008	0.3
30-31	146	121	112	126	0.008	0.3
1931-32	199	160	142	166	0.010	0.4
32-33	300	271	211	259	0.016	07
33-34	245	213	174	210	0.013	0.6
34-35 ,	140	122	102	121	0.007	0.3
35-36	172	142	300	208	0.013	0.6
1936-37	178	155	157	163	0.010	0.4
37-38	148	141	159	149	0.009	0.4
38-39	128	109	411	116	0 007	0.3
39-40	178	154	129	153	ó.009	0.4
40-41	261	229	216	235	Ŏ.014	0.6
11 Years' Average	190	165	165	173	0-011	0.5
1941-42	197	157	140	164	0.010	0.4
42-43	171	181	138	163	0.010	0.4
43-44	315	296	214	273	0.017	0.7
44-45	159	128	112	132	0.008	0.4
A5-46	120	99	103	107	0.007	0.3
1946-47	315	249	221	260	0.016	0.7
47-48	169	160	138	155	0.010	0.4
48-49	227	203	195	208	0.013	0.6
49-50	167	146	120	144	0.009	0.4
50-51	152	142	141	145	0.009	0.4
10 Years' Average	199	176	152	175	0.011	0.5
1951-52	160	128	111	132	0.008	0.4
52-53	112	105	93	103	0.006	0.3
53-54	207	197	228	211	0.013	0.6
54-55	207	161	158	175	0.011	0.5
55-56	198	194	149	179	0.011	0.5
1956-57	22	21	19	21	0.001	0.1
57-58	5 0 5	299	140	309	0.019	0.8
58-59	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61	(100)	(100)	(100)	(100)	(0.006)	(0.3)
10 Years' Average	171	140	120	143	0.009	0.4
31 Years' Average	187	161	146	164	0.010	0.4

^{*} Not considered for calculating the average.

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 55

River BHADRA (TUNĞABHADRA)

Site LAKKAVALLI

Month APRIL

Year		Mean discha	rge (Cusecs)		Volume of the m	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1929-30*	151	94	97	114	0.007	0.3
30-31	132	202	144	159	0.009	0.4
1931-32	207	143	155	168	0.010	0.4
32-33	189	195	205	<i>196</i>	0.012	0.5
33-34	148	227	166	180	0.011	0.5
34-35	138	98	96	110	0.007	0.3
35-36	251	135	131	172	0.010	0.4
1936-37	163	131	319	204	0.012	0.5
37-38	167	189	211	189	0.011	0.5
38-39	94	118	125	112	0.007	0.3
39-40	109	102	210	140	0.008	0.4
40-41	172	166	182	173	0.010	0.4
11 Years' Average	161	155	177	164	0.010	0.4
1041.49	123	139	156	139	0.008	0.4
1941-42		105	119	114	0.007	0.3
42.43	119	144	158	156	Ö. 009	0.4
43.44	$\begin{array}{c} 166 \\ 172 \end{array}$	199	182	184	0.011	0.5
44-45 45-46	$\begin{array}{c} 1/2 \\ 122 \end{array}$	161	158	147	0.009	0.4
1946-47	251	260	157	223	0.013	0.6
47-48	224	165	235	208	0.012	0.5
48.49	244	172	133	183	0 011	0.5
49.50	103	110	86	100	0.006	0.3
50-51	137	175	165	159	0.009	0.4
10 Years' Average	166	163	155	161	0.010	0.4
1951-52	96	100	215	137	0.008	0.4
52-53	101	194	109	135	0.008	0.4
53-54	199	215	443	286	0.017	0.7
54-55	166	197	208	190	0.011	0.5
55-56	165	163	181	170	0.010	0.4
1956-57	(20)	(20)	(20)	(20)	(0.001)	(0.1)
57-58	ì13	ì 35	252	167	0.010	0.4
58-59	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61	(100)	(100)	(100)	(100)	(0.006)	$(\bar{0} \ 3)$
10 Years' Average	116	132	173	140	0.008	0.4
31 Years' Average	148	150	168	156	0.009	0.4

^{*}Not considered for calculating the average.

SERIAL No. 55

River BHADRA (TUNGABHADRA)

Site LAKKAVALLI

Month MAY

V		Mean discha	rge (Cusecs)		Volume of the m	
Year. (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1929-30*	155	274	170	199	0.012	0.5
30-31	131	84	68	93	0.006	0.2
1931-32	168	900	1,243	78 6	0.048	2.
32-33	184	500	1,165	<i>634</i>	0.039	1.
33-34	122	149	107	125	0.008	0.
34-35	102	114	94	103	0.006	0.3
35-36	97	137	284	176	0.011	0.5
1936-37	197	147	126	<i>156</i>	0.010	0.4
37-38	139	89	181	138	0.008	0.4
38-39	99	78	86	88	0.005	0.2
39-40	549	163	482	401	0.025	1.1
40-41	169	251	145	187	0.011	0.5
11 Years' Average	178	237	36 2	262	0.016	0.7
1941-42	153	196	180	176	0.011	0.5
42-43	145	237	3,158	1,244	0.076	3.3
43-44	163	213	231	193	0.012	0.5
44-45	99	84	99	94	0.006	0.3
45-46	102	77	199	129	0.008	0.3
1946-47	140	135	128	134	0.008	0.4
47-48	256	211	121	194	0.012	0.5
48-49	146	207		431	0.027	1.2
49-50	98	175	89	120	0.007	0.3
50-51	161	207	352	243	0.015	0.7
10 Years' Average	146	174	545	296	0.018	0.8
1951-52	235	116	122	156	0.010	0.4
52-53	87	70	67	75	0.005	0.2
53-54	179	754	240	<i>386</i>	0.024	1.0
54-55	177	1,978	3,705	2,010	0.124	5.4
55-56	796	142	2,041	1,027	0.063	2.8
1956-57	(50)	(100)	575	252	0.015	0.7
57-58	270 ′	`295	156	238	0.015	0.6
58-59	(100)	(100)	(100)	(100)	(0.006)	(0.3)
59-60	(100)	(100)	(100)	(100)	(0.006)	(0.3)
60-61	(100)	(100)	(100)	(100)	(0.006)	(0.3)
10 Years' Average	209	376	721	444	0.027	1.2
31 Years' Average	178	262	537	332	0 020	0.9

^{*} Not considered for calculating the average.

River BHADRA (TUNGABI	HADRA)		ADŘA ANIC	CUT	Mon	A JUNE	
Year	1	Mean discha	rge (Cusecs)		Volume of the mo	Volume of flow for	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	
1947-48	Nil	693	1.326	673	0.040	1.7	
48-49	390	1.871	5,003	2,421	0.144	6.3	
49-50	945	2,436	4,633	2,671	0.159	6.9	
50-51	N.A.	N.A.	N.A.	2,0.2			
1951-52	N.A.	N.A.	N.A.				
52-53	***						
53-54	**	a+'	• •				
54-55	8,225	2,914	2,198	4,445	0.264	11.5	
	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	(a) (a)			Mon	ih JULY	
Year		Mean dische	arge (Cusecs)			f flow for	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C	
1947-48	3,628	16,397	19,976	13,548	0.833	36.3	
48-49	8,999	16,282	13,027	12,777	0.833 0.786	34.2	
49-50	9,285	21.784	13,222	14.714	0.905	39.4	
50-51	N.A.	N.A.	N.A.	22,122	0.500	93.4	
50-52		HAR	-				
1951-52	2,853	5,398	19,8 5 2	9,938	0.611	26.6	
52-53	N.A.	N.A.	N.A.				
53-54	32,936	5,780	11,682	16,634	1.023	44.6	
54-55	10,629	16,126	5,739	10,667	0.856	28.6	

SERIAL No. 56

River	BHADKA
	(TUNGABHADRA)

Site BHADRA ANICUT

Month AUGUST

Year			Mean discha	Volume of flow for the month					
(June		I az	y)	1-10	11-20	21-31	W hole month	M. A . F .	T. M. C
1947-48				7,320	11,055	22,476	13,903	0.855	37.2
48-49				10,602	22,095	15,512	16,052	0.987	43.0
49-50				18,632	9,415	6,095	11,210	0.689	30.0
50-51				N.A.	N.A.	N.A.			
					ANTE				
1951-52				13,261	8,200	6,743	9,810	0.603	26.3
52-53		• ;	.•	9,928	14,027	N.A.	N, A .	N.A.	N.A.
53- 54				18,464	23,696	8,524	16,625	1.022	44.5
54-55			•	17,432	9,991	4,463	10,430	0.641	27.9

Month SEPTEMBER

Voge			Mean disch	Volume of flow for the month					
	Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.		
1947-48			•	10,958	8,321	7,860	9,046	0.538	23.4
48-49		•	•,	9,425	4,648	4,440	6,171	0.367	16.0
49-50				4,993	4,498	N.A.	4,828	0.287	12.5
50-51	•	•	•	N.A.	N.A.	>,			
1951-52				N.A.	N.A.	N.A.			
52-53			•	,,	,,	,,			
53-54		4		4,829	3,456	3,126	<i>3,804</i>	0.226	9.9
54-55				3,196	9,184	8,441	6,941	0.413	18.0

	1	Mean dische	irge (Cusecs)		Volume of flow for the month			
Year (June to May)	1-10	11-20	21-31	Whole month		T. M. C.		
1947-48	4,706	4,424	4,191	4,432	0.273	11.9		
48-49	3,731	4.205	2,864	3,576	0.220	9.6		
49-50	N.A.	N.A.	N.A.					
50-51	**	,,	>>					
1951-52	N.A.	4,795	4,203	4,412	0.271	11.8		
52.53	• •	N.A.	N.A.					
53-54	4,092	5,580	7,088	5,635	0.346	15.1		
54 55		,						
		4	3427		Month NO	/EMBER		
		Mean disch	arge (Ousecs)	1	Volume of			
Year (June to May)	1-10	11.20	21-30	Whole month	M. A. F.	T. M. C		
		11	CLU					
1947-48	3,557	3,040	2,200	2,932	0.174	7.5		
48-49	4,357	3,463	8,010	3,610	0.215	9.4		
49-50	N.A.	N.A.	N.A.					
50-51	*1		and it is					
1951-52	2,033	1,836	III.A.					
	N.A.	N.A.	**					
52-53	74.77.	21.42.	**					
52-58	2,617	1,879	1,427	1,974	0.117	5.1		

SERIAL No. 56

River	BHADRA
	(TINCARHADRA

Site BHADRA ANICUT Month DECEMBER

				Mean discha		Volume of flow for			
Year (June to May)		1-10	11-20	21-31	Whole month	M.A.F.	T.M.C.		
1947-48				1,618	1,574	1,862	1,691	0.104	4.5
48-49				2,356	2,220	1,764	2,105	0.129	5.6
49-50									
50-51									
1951-52					4	5)23			
52-53	•	•	•		The standard				
53-54	•	•	•						
54-55					L A	531			

								Month J	ANUARY
ν.	~ ~				Mean disc	Volume of flow for			
Year (June to May)		1-10	11-20	21-31	Whole	the mo	onth		
		*			11-50	21-31	month	M.A.F.	T.M.C
1947-48				1,100	881	929	969	0.060	2.6
48-49				1,416	1,204	1,072	1,225	0.075	3.3
49-50			;	N.A.	N.A.	N.A.			_
50-51	•	•	•	**	,,	,,			
1951-52				N.A.	N.A.	N.A.			
52-53				1,612	1,646	1,088	1,451	0.089	3.9
53-54						•	·		00
54-55		٠.							

SERIAL No. 56

River BHADRA Site BHADRA ANICUT Month FEBRUARY

/ 1777	TRIA	A TAYY	ADE	
(11	JNG	ABH.	AUI	(A)

**		Mean disch	$arge\ (Cusees)$		Volume of flow for the month M. A. F. T. M. C.	
Year (June to May)	1-10	11-20	21-28 29	$Whole \\ month$		
1947-48	829	620	585	681	0.039	1.7
48-49	1,056	1,004	921	999	0.055	2.4
49-50						
50-51						
1951-52		50	(*****) (******)			
52-53		ab a				
53-54		(T)				
54-5 5		6.0				

Month - MARCH

				10 mg		212 070070	
Year (June to May)		 	Mean disch	Volume of flow for			
		7 70	77.00	07.21	Who'e	the n	ion th
	91		11-20	21-31	month	M. A. F.	T. M. C
		489	482	308	423	0.026	1.1
		1,019	1,072	1,013	1,034	0.064	2.8
• ,							
	•						
		 		Mean discher d	May) 1-10 11-20 21-31	Mean discharge (Cusecs) 1-10	Mean discharge (Cusecs) 1-10 11-20 21-31 Whole month M. A. F. 489 482 308 423 0.026 1,019 1,072 1,013 1,034 0.064

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 56

River BHADRA

Site BHADRA ANICUT

Month APRIL

)

Year (June to May)			Mean dische	1	Volume of flow for the month			
		/)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1947-48 48-49 49-50 50-51			449 981	378 1,007	268 935	365 974	0.022 0.058	0.9 2.5
1951-52 52-53 53-54 54-55	· · · ·							

Month MAY

Year					harge (Cusecs)	Whole	Volume of flow for the mont's	
(June to May)		 1-10	11-20	11-20 21-31		M. A. F.	T. M. C.	
1946-47			Nil	Nil	Nil	Nil	Nil	Nil
47-48		٠	156	327	333	27 4	0.017	0.7
48-49		٠	1,023	935	1,009	990	0.061	2.7
49-50		• .						
50-51		•						
1951-52								
52-53								
53-54		٠						
54-55								

VOLUME OF ANNUAL FLOW

SERIAL No. 57

River VARADA (TUNGABHADRA)

Site BANAVASI

Y_{ear}	Volume	of flow
	M. A. F.	T. M. C.
1908	1.095	47.7
09	0.902	39.3
10	0.774	33.7
1911	0.728	31.7
12	1.439	62.7
13	0.950	41.4
14	1.286_{133}	56.0
15	-0.523	22.8
1916	1.028	44.8
17	0.900	39. 2
18	0.498	21.7
19	0.875	38.1
20	0.760	33.1
1921	0.817	35.6
1.1.22 to 30.4.22*	0.002	0.1
1922-23	0.666	29.0
23-24	1.556	67.8
24-25	1.024	44.6
25-26	1.350	58.8
18 Years' Average	0.954	41.6

^{*} Not considered for calculating the average.

NOTE:—The figures for the years 1908 to 1921 are the volumes of flow for calendar years. The figures for the years 1922-23 to 1925-26 are for twelve months from 1st. May to 30th April.

VOLUME OF SEASONAL AND ANNUAL FLOW SERIAL No. 58

River HAGARI (TUNGABHADRA)

Site VANI VILAS SAGAR

			Volume of	flow		
Year	January	to June	July to D	ecember	Annual	
	M. A. F	T. M. C.	M. A. F.	T. M. C.	M. A. F.	T.M.C.
1913*			0.053	2.3		
14	0.005	0.2	$\boldsymbol{0.052}$	2.3	0.057	2.5
15	0.060	2.6	0.052	2.3	0.112	4.9
1916	0,043	1.9	0.223	9.7	0.266	11.6
17	0.021	0.9	0.236	10.3	0.257	11.2
18	0.048	2.1	0.155	6.7	0,203	8.8
19	0.048	2.1	0.328	14.3	0.376	16.4
20	0.017	0.8	0.055	2.4	0.072	3.2
1921	0.015	0.6	0.060	2.6	0.075	3.2
22	0,034	1.5	0.129	5.6	0.163	7.1
23	0.038	1.7	0.083	3.6	0.121	5.3
2 4	0.007	0.3	0.066	2.9	0.073	3.2
25	0.019	0.8	0.035	1.5	0.054	2.3
1926	0.024	1.1	0.056	2.4	0.080	3.5
27	0.042	1.8	0.029	1.3	0.071	3.1
28	0.017	0.7	0.111	4.8	0.128	
29	0.014	0.6	0.054	2.4	0.068	
30	0.015	0.7	0.073	3.2	0.088	3.9
1931	0.015	0.6	0.043	1.9	0.058	2.5
32	0.030	1.3	0.550	24.0	0.580	25.3
33	0.033	1.4	0.262	11.4	0.295	12.8
34	0.024	1.0	0.026	1.1	0.050	2.1
35	0.024	1.0	0.070	3.1	0.094	4.1

^{*} Not considered for calculating the average.

VOLUME OF SEASONAL AND ANNUAL FLOW SERIAL No. 58

River HAGARI (TUNGABHADRA)

Site VANI VILAS SAGAR

			Volume o	f flow		
Yea r	Januari	y to June	July to Decemder		Annual	
	M. A. F.	T. M. C.	M. A. F.	T. M. C.	M.A.F.	T. M. C
1936	0,002	0.1	0.067	2.9	0.069	3.0
37	0.009	0.4	0.069	3.0	0.078	3.4
38	0.001	Nil	0.029	1.3	0.030	1.3
39	0.018	0.8	0.069	3.0	0.087	3.8
40	0.008	0.3	0.150	6.5	0.158	6,8
1941	0.009	0.4	0.086	3.7	0.095	4.1
42	0.020	0.9	0.025	1.1	0.045	2.0
43	0 018	0.8	0.241	10.5	0 259	11.3
44	0.033	1.4	0.104	4.5	0.137	5.9
45	0.012	0.5	0.005	0.2	0.017	0.7
1946	0.023	1.0	0.143	6.2	0.166	7.2
47	Nil	Nil-	0.076	3.3	0.076	3.3
48	0.032	1.4	0.101	4.4	0.133	5,8
49	0.007	0.3	0.068	3.0	0.075	3.3
50	0.011	0.5	0.116	5.1	0.127	5.6
1951	0.027	1.2	0.105	4.6	0.132	5.8
52	0.005	0.2	0.088	3.8	0.093	4.0
53	0.036	1.6	0.430	18.7	0.466	20,3
54	0.014	0.6	$\boldsymbol{0.042}$	1,9	0.056	2.5
55	0.026	1.1	0.205	8.9	0.231	10,0
1956	0.023	1.0	0.251	11.0	0.274	12.0
57	0.058	2.5	0.172	7.5	0.230	10.0
58	0.018	0.8	0.127	5,5	0.145	6.3
59	0.056	2.4	0.194	8.5	0.250	10.9
60	0.012	0.5	0,170	7.4	0,182	7,9
7 Years' Average	0.023	1.0	0.125	5.4	0.148	6.4

AND THE VOLUME OF FLOW BY MONTHS

SERIAL No. 59

River HAGARI (TUNGABHADRA)

Site NARANAPUR PROJECT Year 1959-60

Months		Mean dische	rge (Cusecs)		Volume of	flow for nonth
Monins	1-10	11-20	21-End	Whole month	M. A. F.	T. M. C
Feb. 1960	220	220	106	185	0.011	0.5
Mar.	838	408	166	461	0.028	1.2
Apr.	151	243	220	205	0.012	0.5
May	354	799	N.A.	502	0.031.	1.3
June	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
July	,,	266	184-	240	0.015	0.6
Aug.	156	312	312	262	0.016	0.7
Sep.	156	250	218	208	0.012	0.5
Oct.	187	312	312	272	0.017	0.7
Nov.	312	156	250	239	0.014	0.6
Deċ.	62	218	113	131	0.008	0.4
Jan. 1961	150	205	148	167	0.010	0.4
Feb.	210	167	170	183	0.010	0.4
Mar.	164	177	144	<i>161</i>	0.010	0.4
Apr.	170	163	220	184	0.011	0.5
May	151	1,526	1,263	980	0.060	2.6
Volume July 1960 to Nov. 1960					0.074	3.1
Volume Dec. 1960 to May 1961					0.109	4.7
Volume July 1960 to May 1961					0.183	7.8

SERIAL No. 60

River HAGARI

Site BHAIRAVANITHIPPA

Month JUNE

(TUNGABHADRA)

		Mean discha	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1956-57	1,678 400 340 154	808 414 494 145	643 250 1,081 249	1,043 358 639 183	0.062 0.021 0.038 0.011	2.7 0.9 1.7 0.5
4 Yeaks' Average	643	465	556	556	0.033	1.4

Month JULY

Year -			Mean discha	Volume of flow for the month			
	to May)	1-10	11-20	21.31	Whole month	M. A. F.	T. M. C.
1956-57 57-58 58-59 59-60 60-61		553 500 575 179	700 300 220 423	406 272 390 377	548 290 395 328	0.034 0.018 0.024 0.020	1.5 0.8 1.1 0.9
4 Years'	Average	402	411	361	390	0.024	1.1

Month AUGUST

		***************************************			Mean dischar	rge~(Cusecs)		Volume of	
(June to	ar M	ay)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57									
57-58				627	468	630	577	0.035	1.5
58-59				662	868	591	703	0.043	1.9
59-60				238	330	354	<i>309</i>	0.019	0.8
60-61	٠.		•	184	99	204	164	0.010	0.4
4 Years	Av	era	ıge	428	441	445	438	0.027	1.2

SERIAL No. 60

River HAGARI Site BHAIRAVANITHIPPA Month SEPTEMBER

PRITABLE	ATIT	TODAY
(TUNC	ABH	ADKA)

				Mean disch	Volume of flow for			
(June	ear to Maj	y)	1-10	11-20	21-30	Whole month	M.A.F.	T.M.C.
1956-57 57-58 58-59 59-60 60-61		•	590 451 218 174	939 1,968 218 748	542 4,611 5,084 843	690 2,385 1,840 588	0.041 0.142 0.109 0.035	1.8 6.2 4.8 1.5
4 Years	' Ave	rage	358	968	2,770	1,376	0.082	3.6

Month OCTOBER

Year		Mean discho	rge (Cusecs)	Whole	Volume of the m	
(June to May)	1-10	11-20	21-31	month	M. A. F.	T. M. C.
1956-57	2,946 1,909 738 897	89 696 295 216	1,004 336 535 445	1,336 857 523 517	0.082 0.053 0.032 0.032	3.6 2.3 1.4 1.4
4 Years' Average	1,622	324	580	808	0.050	2.2

Month NOVEMBER

			Mean disch a r	Volume of flow for the month			
Year (June to Mvy)		1-10	11-20	21-30]	Whole month	M. A. F.	T. M. C.
1956-57	•	295 (630) 787 802	432 (481) 583 429	109 (298) 455 329	298 (470) 608 520	0.018 (0.028) 0.036 0.031	0.8 (1.2) 1.6 1.3
4 Years' Avera	age	630	481	298	474	0.028	1.2

SERIAL No. 60

Rive HAGARI

Site BHAIRAVANITHIPPA

Month DECEMBER

(TUNGABHADRA)

		Mean discha	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1956-57	185 367 388 198	600 308 152 1 97	886 168 184 93	580 277 240 160	0.036 0.017 0.015 0.010	1.6 0.7 0.6 0.4
4 Years' Average	284	314	333	314	0.020	0.8

Month JANUARY

V		Mean dischar	ge (Cusecs)		Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	$\frac{\text{the mod}}{M, A, F}.$	T. M. C.
1956-57*	533 664 118 190 143	458 1,158 88 154 155	401 1,422 93 178 187	462 1,093 99 174 163	0.028 0.067 0.006 0.011 0.010	1.2 2.9 0.3 0.5
4 Years' Average	279	389	470	382	0.024	1.0

Month FEBRUARY

V		Mean discho	Volume of flow for			
Year (June to May)	1-10	11-20	21-28/29	Whole month	M.A.F.	T. M. C.
1956-57*	538	489	527	517	0.029	1.3
57-58 58-59	140 85	121 82	155 56	137 76	0.008 0.004	0.3 0.2
59-60 60-61	$\begin{array}{c} 125 \\ 192 \end{array}$	$\begin{array}{c} 225 \\ 97 \end{array}$	$\frac{100}{98}$	152 131	0.009 0.007	0.4 0.3
4 Years' Average	136	131	102	124	0.007	0.3

[•] Not considered for calculating the average.

SERIAL No. 60

River	HAGARI
	CONTRACT A TOTAL A TO

Site BHAIRAVANITHIPPA

Month MARCH

(TUN	IGABH	(ADRA)

		Mean discho	$rge\ (Cusecs)$		Volume of flow for the month	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T M.C.
1956-57*	428 71 122 114 97	573 122 84 1,568 101	421 126 109 116 187	473 107 105 584 130	0.029 0.007 0.006 0.036 0.008	1.3 0.3 0.3 1.6 0.3
4 Years' Average	101	469	134	232	0.014	0.6

Month APRIL

Year		Mean dischar	ge (Cusecs)	Volume of flow for the month		
(June to May)	1-10	11-20	21.30	W hole month	M. A. F.	T. M. C.
1956-57*	482	462	623	523	0.031	1.4
57- 58	101	169	247	172	0.010	0.4
58-59	131	133	99	121	0.007	0.3
59- 60	110	112	134	119	0.007	0.3
60-61	137	72	204	133	0.008	0.3
4 Years' Average	120	122	171	136	0.008	0.3

Month MAY

Year		Mean disch	Volume of flow for			
(June to May)	1-10	11-20	21-31	Whole month	$\begin{array}{ c c c c c }\hline & the \ month \\\hline \hline M.\ A.\ F. & T.\ M \\\hline \end{array}$	T. M. C.
1956-57*	411	551	1,107	703	0.043	1.9
5 7- 58	Nil	Nil	31	10	0.001	Nil
58-59	117	181	1,165	510	0.031	1.4
5 9-6 0	166	891	292	445	0.027	1.2
60-61	191	1,104	754	685	0.042	1.8
4 Years' Average	118	544	560	412	0.025	1.1

^{*} Not considered for calculating the average.

		SERI	AL No. 61			
River DINDI		Site DIN	DI RESERV	OIR	Mon	th JUNE
Year		Mean dische	Volume of flow for			
(June to May)	1-10	11-20	21-30	Whole mont h	M. A. F.	T. M. C.
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	23	4.	13	13	0.001	Nil
60-61	Nil	Nil	Nil	Nil	Nil	Nil
3 Years' Average	8	1	4	4	Nil	Nil
					Mon	th JULY
Year	Mean discharge (Cusecs)				Volume of	flow for
(June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C.
1958-59	233	96	45	122	0.008	0.3
59-60	124	29	147	102	0.006	0.3
60-61	248	3	74	107	0.007	0.3
3 Years' Average	202	43	13 - 3 - 89	110	0.007	0.3
					Month	AUGUST
		Mean discha	rge (Cusecs)		Volume of	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1958-59	21	266	1,512	629	0.039	1.7
59-60	118	22	2,583	962	0.059	2.6
60-61	28	3	34	22	0.001	0.1
3 Years' Average	56	97	1,376	538	0.033	1.5

SERIAL No. 61

River DINDI	Site DINDI RESERVOIR				Month SEPTEMBER		
77	1	Mean discharg	Volume of flow for the month				
Year (June to May)	1-10	11-20	21-30	Whole month	M, A. F.	T. M. C.	
1958-59	855	155	746	585	0.035	1.5	
59-60	111,961	200	2,229	38,130	2.269	98.8	
60-61	1,365	3,182	2,013	2,187	0.130	5.7	
3 Years' Average	38,060	1,179	1,663	13,634	0.811	35.3	
		ANT			Month C	CTOBER	
••		Mean disch	arge (Cusecs)			of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.	
1958-59	587	178	77	274	0.017	0.7	
59-60	3,370	951	182	1,459	0.090	3.9	
60-61	1,811	219	ㅋ 귀리구82	684	0.042	1,8	
3 Years' Average	1,923	449	114	806	0.050	2.1	
Price Name and American and American Am					Month NO	VEMBER	
77		Mean dischar	ge (Cusecs)		Volume the mo	of flow for	
$Year \ (June \ to \ May)$	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.	
1958-59	9	7	71	29	0.002	1	

Nil

16

29

40

12

20

996

48

351

59-60 . . .

60-61 . . .

3 Years' Average

0.9

0.1

0.4

0.021

0.001

0.608

345

25

133

River DINDI	į	Site DIND	Month DI	ECEMBER		
T		Mean disch	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	$Whole \\ month$	M. A. F.	T. M. C.
1958-59	16	11	8	11	0.001	Nil
59-60	Nil	1	Ī	1	Nil	**
60-61	8	20	8	12	0.001	,,
3 Years' Average	8	11	6	8	0.001	Nil
					Month :	JANUARY
Voge		Mean di cha	rge (Cusecs)		Volume o	f flow for
Year (Juhe to May)	1-10	11-20	21-31	Whole month	M.A.F.	T. M. C.
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	1	27 7 77	22	,,	,,	,,
60-61	6	8	2	5		13
3 Years' Average	2	3	14 1111	2	Nil	Nil
					Month FF	BRUARY
Y		Mean dis c ho	trge (Cusecs)		Volume o	f flow for.
Year (June to May)	1-10	11-20	21-28 29	Whole month	M. A. F.	T. M. C.
1958-59	Nii	Nil	Nil	Nil	Nil	Nil
59-60	,,	,,	*,	,,	,,	,,
60-61	8	7	••	5	,,	,,
3 Years' Average	3	2	Nil	2	Nil	Nit

SERIAL No. 61

River DINDI	Site DINDI RESERVOIR				Month	MARCH
(_		Mean discho	Volume of flow for the month			
Year (June to May)	1-10	11-20	21-31	W hole month	M. A. F.	T. M. C.
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	1	,,	,,	"	,,	,,
60-61	17	4	1	7	**	2)
3 Years' Average	6	1	Nil	2	Nil	Nil

Month APRIL

				Volume of fiou j	
Year (June to May)	1-10	11-20 21-30	Whole month	M.A.F.	M.C.
1958-59	Nil	Nil	Nil	Nil	Nil
59-60	,,		,,	33	,,
60-61	-5	1	2	, i	,,
3 Years' Average	2	Nil Nil	1	Nil	Nil

Month MAY

		Mean discha	Volume of flow for			
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F. T	1
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	,,	22	,,	,,	**	,,
60-61	3	4	3	4	**	**
3 Years' Average	1	1	1	1	Nil	Nil

River PALLERU	Site PALLERU RESERVOIR				Month JUNE		
Year		Mean dischar	rgė (Cusecs)		Volume of flow for the month		
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.		
1958-59	Nil	Nil	23	 8	Nil	Nil	
59-60	32	19	47	32	0.002	0.1	
60-61	Nil	Nil	139	46	0.003	0.1	
3 Years' Average	11	6	70	29	0.002	0.1	
			Mon	th JULY			
Year (June to May)		Mean discharge (Cusecs)			Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
	· · ·	530				·	
1958-59	2,834	852	112	1,229	0.076	3.3	
5 9 - 60	130	353	988	<i>506</i>	0.031	1.4	
60-61	354	172	- 81	225	0.014	9.6	
3 Years' Average	1,106	459	티 키디 394	653	0.040	1.8	
	,,,,,				Month	AUGUST	
		Mean dische	arge (Cusecs)			f flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.	
			1	J			
1958-59	300	1,565	2,070	1,336	0.082	3.6	
59-60	439	788	6,976	2,871	0.177	7.7	
60-61	102	27	170	102	0.006	0.3	
3 Years' Average	280	793	3,072	1,436	0.088	3.9	

		SERIA	IL No. 62			
River PALLERU	Sit	e PALLER	U RESERV	OIR	Month SEP	TEMBER
_		Mean discha	Volume of the mor	•		
Year (June to May)	1-10	11-20	21-30	Whole month	M. A. F.	T. M. C.
1958-59	1,238	336	768	781	0.046	2.0
5 9 ₇ 60	3,512	330	$\boldsymbol{422}$	1,421	0.085	3.7
60-61	58	280	309	215	0.013	0.6
3 Years' Average	1,603	315	500	806	0.048	2.1
	_				Month O	CTOBER
	Mean discharge (Cusecs)				Volume of flow for	
Year (June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
			407			
1958-59	3,580	379	249	1,366	0.084	3.7
59-60	5,016	774	2 20	1,946	0.120	5.2
60-61	460	44	14	168	0.010	0.4
3 Years' Average	3,019	399	नि नय-161	1,160	0.071	3.1
					Month NO	VEMBER
Year		Mean dische	arge (Cusecs)		Volume o	
(June to May)	1-10	11-20	21-30	Whole month	M. A. F.	
1958-59	193	205	87	162	0.010	0.4
59-60	165	92	50	102	0.006	0.3
60-61	5		14	8	Nil	Nil
3 Years' Average	121	101	50	91	0.005	0.2

River PALLERU	Sit	e PALLEI	Month DE	CEMBER		
Year -		$Mean\ disch$	Volume of flow for the month			
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C
1958-59	40		****	10	A 0.04	27.0
59-60	Nil	8 Nil	Nil	16 Nil	0.001	Nil
60-61	38		**	$rac{Ni\iota}{12}$	Nil	**
00-01		,,	••	12	0.001	,,
3 Years' Average	26	3	Nil	9	0:001	Nil
		€Z	2227		Month J	ANUARY
Year	Mean discharge (Ousecs)				Volume of flow for the month	
(June to May)	1-10	11-20	21-31	Whole month	M. A. F.	T, M, C
1958-59	40	18	Nil	19	0.001	0.1
59-60	Nil	Nil		Nil	Nil	Nil
60-61 ,	18	1.	Pays hi	12	0.001	"
3 Years' Average	19	78	मा नयन 4	10	0.001	Nil
					Month FE	BRUARY
Year		Hean discha	rge (Cusecs)		Volume of	flow for
(June to May)	1-10	11-20	21-28/29	Whole	the mon	
			21-20/20	month	M. A. F.	T, M, C
1958-59	43	25	3	25	0.001	0.1
59-60	Nil	Nil	Nil	Nil	Nil	Nil
60-61	,,	**	,,	,,	,,	72
3 Years' Averege	14	8	1	8	Nil	Nil

River PALLERU	Si	te PALLE	RU RESERV	OIR	Month	MARCH
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for the month	
	1-10	11-20	21-31	Whole month	M, A. F.	T. M. C
1958-59	Nil	Nil	41	15	0.001	Nil
59-60	,,	,,	Nil	Nil	Nil	91
60-61	.,,	19	**	,,	,,	,,
3 Years' Average	Nil	Nil	14	5	Nil	Nil
			**		Monti	h APRIL
Year (June to May)	Mean discharge (Cusecs)				Volume of flow for	
	1-10	11-20	21-30	Whole month	M.A.F.	T. M. C.
	·					<u>,</u>
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	**			5,	,,	,,
60-61	, ,	(1.10) No.	4 3	,,	11	**
3 Years' Average	Nil	Niliani	FINIL	Nil	Nil	Nil
					Mon	th MAY
Year (June to May)	Mean discharge (Cusecs)			Volume of flow for the month		
	1-10	11-20	21-31	Whole month	M. A. F.	T. M. C.
1958-59	Nil	Nil	Nil	Nil	Nil	Nil
59-60	15	,,	>9	,,	7+	,,
60-61	**	**	91	,,	,,	,,
3 Years' Average	Ñil	Nil	Nil	Nil	Nil	Nil